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# PESTICIDES DOCUMENTATION BULLETIN

A BI-WEEKLY PUBLICATION OF

U. S. DEPARTMENT OF AGRICULTURE

Volume 4 March 1, 1968 Number 5

OBJECTIVES AND SCOPE

The Pesticides Documentation Bulletin is compiled by the Pesticides Information Center, the first of its kind to be established within a national library. It is a bi-weekly index to the literature on pests and their control and the impact on the economy and man's total environment. The index includes literature on diseases, insects, nematodes, parasites, weeds, and other pests affecting plants, animals, man, our natural resources, and other values in man's environment. Literature on biological, chemical, cultural ecological, mechanical, and integrated methods of pest control will be included. Special emphasis is given to the literature on the toxicological, physiological and epidemiological aspects of pests and their control by chemical and nonchemical methods.

For broader coverage of literature on agriculture and related subjects, please consult the Bibliography of Agriculture, a monthly publication of the National Agricultural Library.

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The Bulletin is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

10 Entomology
20 Crop Protection
30 Livestock Protection
40 Commodity Protection
50 Environmental Contamination
55 Residues
60 Toxicology
65 Plant Physiology & Biochemistry
70 Chemistry
80 Engineering
90 Industry

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NATURE OF INDUCED ATTACKS BY THE BLACK HILLS BEETLE, DENDROCTONUS PONDEROSAE COLEOPTERA, SCOLYTIDAE).
W F Mccambridge
Entomol Soc Amer Ann 60 5), 920-928 REF
Sep 1967 420 EN82
Attractants, Dendroctonus ponderosae.
Abstract included.

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A MICRO SYRINGE FOR LABORATORY GRAIN FUMIGATION.
J R Pedersen
Kans Entomol Soc J 32(4):151-152
Oct 1959 420 K13
Fumigation, Grain, Syringes.

## Systematics

5425-68
THE EFFECT OF VARIOUS HUMIDITY LEVELS ON HATCHABILITY OF PINK BOLLWORM EGGS.
P L Adkinson
Kans Entomol Soc J 32(4):189-190, 4 REFS., 1 TAB.
Oct 1959 420 K13
Humidity, Insect eggs, Pectinophora gossypiella.

5426-68
BOTTOM ORGANISMS OF THE BEAVER RESERVOIR BASIN: A PRE-IMPOUNDMENT STUDY.
L R Aggus L O Warren
Kans Entomol Soc J 38(2):163-178, 7 REFS., 8 TABS.
Apr 1965 420 K13
Aquatic insects, Coleoptera, Diptera, Ephemeroptera, Plecoptera, Trichoptera.

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NEW SPECIES OF CRANE-FLIES FROM TROPICAL AMERICA (DIPTERA: TIPULIDAE). I.
C P Alexander
Kans Entomol Soc J 38(4):401-407
Oct 1965 420 K13
Ctenophora, Elephantomyia, Gnophomyia, Hexatoma, Molophilus, Tipulidae.

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A NEW SPECIES OF EPHEMERELLA FROM OREGON (EPHEMEROPTERA: EPHEMERELLIDAE).
R K Allen
Kans Entomol Soc J 32(2):59-60, 1 REF.
Apr 1959 420 K13
Ephemerellidae, Ephemeroptera, Insect identification.

5429-68
BREDIN-ARCHBOLD-SMITHSONIAN BIOLOGICAL SURVEY OF DOMINICA. 4. TWO NEW SPECIES OF TIPHIA FROM THE WEST INDIES HYMENOPTERAO TIPHIIDAE).
Allen
U S Nat Mus Proc 123 3617), 4 P.
1967 500 SM65P
Hymenoptera, Surveys, Tiphia.
T. dominicae and T. layouae.

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NEW AND REDESCRIBED SPECIES OF RAPHIGNATHIDAE (ACARINA) AND A DISCUSSION OF THE CHAETOTAXY OF THE RAPHIGNATHOIDAE.
W T Atyeo
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Jul 1963 420 K13
Chaetotoxy, Insect taxonomy, Raphignathidae.

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KEYS TO THE ADULT FEMALE AND LARVAL ANOPHELINE MOSQUITOES OF THE PHILIPPINES.
F E Baisas F H Dowell
J Med Entomol 4 1)011-24
25 Apr 1967 421 J828
Larvae.

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LARVAL SYSTEMATICS OF THE TROGINAE IN NORTH AMERICA WITH NOTES ON BIOLOGIES AND LIFE HISTORIES COLEOPTERAO SCARABAEIDAE.
C W Baker
Diss Abstr Sect B 27 11)03977B
May 1967 Z5055.U49D53
Glaresis, Insect biology, Insect rearing, Larvae, Metamorphosis, Omorgus, Scarabaeidae, Troginae, Trox.

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THE RESISTANCE OF SOME AMERICAN WHEATS TO HESSIAN FLY OF MIXED FOREIGN PARENTAGE.
H F Barnes
Kans Entomol Soc J 33(1):37-43, 5 REFS., 5 TABS.
Jan 1960 420 K13
Mayetiola, Plant pest resistance, Wheat.

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H F Barnes M K Arnold
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Crop varieties, Diptera, Ditodiplosis, Plant pest resistance, Wheat.

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S W T Batra
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R E Beer E A Cross
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Apr 1960 420 K13
Bees, Mites, Parasitism, Scutacaridae.

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H C Bennet-Clark E C A Lucey
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Aug 1967 442.8 B77
Locomotion, Siphonaptera.

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J Boczek
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Acarina, Eriophydae, Insect identification.

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J Brezner R A Hart W R Enns
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Apr 1959 420 K13
Blood cells, Cold storage, Insect physiology.

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SYNONYMY AND VARIATION OF SOME SPECIES OF THE ANT GENUS ANOCHETUS.
W L Brown Jr
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Jul 1964 420 K13
Formicidae, Insect taxonomy.

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L R Brown
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Oct 1958 423.9 EN8
Entomology, Photography.

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W G Bruce
Entomol Soc Amer Bull 4(3):75-78
Oct 1958 423.9 EN8
Bible, Insects.

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NOTES ON THE TAXONOMY OF THE FOSSIL XYELIDAE (HYMENOPTERA: SYMPHYTA.
D J Burdick
Kans Entomol Soc J 32(3):120-122, 4 REFS.
Jul 1959 420 K13
Insect taxonomy, Paleoentomology, Symphyta, Xyelidae.

5444-68
NOTES ON THE BIOLOGY OF HESPERAPIS REGULARIS (CRESSON) (HYMENOPTERA: MELITTIDAE).
D J Burdick P F Torchio
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Apr 1959 420 K13
Hesperapis, Insect behavior, Insect biology, Melittidae.

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EFFECT OF TEMPERATURE AND HUMIDITY ON TROGODERMA ANTHRENOIDES (SHARP) (COLEOPTERA, DERMESTIDAE) AND COMPARISONS WITH RELATED SPECIES.
H D Burges M E Cammell
Bull Entomol Res 55(2):313-325, 21 REFS., 12 TABS.
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Coleoptera, Dermestidae, Humidity, Temperature, Trogoderma.

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NEW AND UNCOMMON NEOTROPICAL MECOPTERA.
G W Byers
Kans Entomol Soc J 38(2):135-144, 5 REFS.
Apr 1965 420 K13
Anabittacus, Bittacus, Kalobittacus, Nannobittacus, Nannochorista, Notiothauma, Pazius.

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G W Byers
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Insect taxonomy, Tipulidae.

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M A Carriker Jr
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Jan 1960 420 K13
Acidoproctus, Insect identification, Philopteridae.

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A NEW SPECIES OF OZARKOGONA FROM INDIANA (DIPLOPODA: CHORDEUMIDA: CLEIDOGONIDAE).
N B Causey
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Jul 1959 420 K13
Diplopoda, Indiana, Insect identification, Ozarkogona.

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STUDIES OF CALIFORNIA PBLEBOTOMUS SPECIES DIPTERAO PSYCHODIDAE) WITB EMPHASIS ON THE BIONOMICS AND VECTOR POTENTIAL OF PHLEBOTOMUS VEXATOR OCCIDENTIS FAIRCBILD AND HERTIG.
B N Chaniotis
Diss Abstr Sect B 27 11)03978B
May 1967 Z5055.U49D53
Insect ecology, Insect rearing, Insect vectors, Lizards, Phlebotomus, Protozoa, Psychodidae.
P. v. occidentis the possible vector of trypanosomes in the definitive host, most probably a lizard.

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H C Chapman J T Polhemus
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Oregon, Saldula.

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J A Chemsak
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Jul 1959 420 K13



Cerambycidae, Insect identification, Mexico, Southwestern United States.

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Amphelictus, Anatinomma, Haplidus, Hesperophanini.

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J A Chemsak E G Linsley
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Oct 1959 420 K13
Cermbycidae, Crossidius, Insect identification, North America.

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L Chen
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Corixidae, India, Insect biology, Japan, Micronecta, Taiwan.

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R M Coan
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Aug 1962 381 AS7
Diptera, Food contamination, Insect behavior, Tomatoes.

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T V Curtin
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25 Apr 1967 421 J828
Atmosphere, Chlorinated hydrocarbons, Cisterns, Habitats, Humidity, Insecticides, Surveys.

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NEMATODES ASSOCIATED WITH THE PINE-BARK BEETLE, HYLASTES ATER, IN NEW ZEALAND.
P S Dale
New Zeal J Sci 10 1), 222-234,MAP REF
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Hylastes ater, Insect nematodes, Scolytidae.

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A NEW GENUS AND TWELVE NEW SPECIES OF MITES FROM MEXICO AND SOUTHEAST UNITED STATES (ACARINA: BLATTISOCIDAE).
D De Leon
Fla Entomol 46(2):197-207, 4 REFS.
Jun 1963 420 F662
Insect taxonomy, Lasioseius, Melichares, Neojordensia, Proctolaelaps.

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NEW HYDROPSYCHIDAE (TRICHOPTERA).
D G Denning
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Diplectrona, Hydropsyche.

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A REVISION OF NEARCTIC SPECIES OF HYDRELLIA DIPTERAO EPHYDRIDAE).
D L Deonier
Diss Abstr Sect B 27 11)03979B
May 1967 Z5055.U49D53
Ephydridae, Hydrellia, Insect taxonomy.

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A NEW PHILORNIS WITH COPROPHAGOUS LARVA, AND SOME RELATED SPECIES (DIPTERA: MUSCIDAE).
H R Dodge
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Oct 1963 420 K13
Larvae, Philornis.

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A NEW NEOTROPICAL WATER-STRIDER (BEMIPTERA: GERRIDAE)-.
C J Drake
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Apr 1963 420 K13

Gerridae, Insect taxonomy, Water-strider.

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THE ROCKY MOUNTAIN SPECIES OF EPEORUS (IRON) EATON (EPHEMEROPTERA: HEPTAGENIIDAE).
G F Edmunds Jr R K Allen
Kans Entomol Soc J 37(4):275-288, 31 REFS., 1 MAP
Oct 1964 420 K13
Epeorus, Iron.

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A NEW SPECIES OF SOMAPHANTUS MENOPONIDAEO MALLOPHAGA) FROM THAILAND.
K C Emerson R D Price
Fla Entomol 52 2)0103-105
Jun 1967 420 F662
Arborophila charltonii, Birds, Insect taxonomy, Menoponidae, Somaphantus kingi.

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TWO NEW SPECIES OF FULICOFFULA (MALLOPHAGA) FROM THE SORA.
K C Emerson
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Oct 1960 420 K13
Fulicoffula, Insect identification, Mallophaga.

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A NEW SPECIES OF MALLOPHAGA FROM THE PHILIPPINE ISLANDS.
K C Emerson
Kans Entomol Soc J 38(1):68-69, 1 REF.
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Neofelicola, Philippine Islands.

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A NEW SPECIES OF PHYSCONELLOIDES (MALLOPHAGA) FROM TEXAS.
K C Emerson
Kans Entomol Soc J 33(3):122-124, 8 REFS.
Jul 1960 420 K13
Insect identification, Mallophaga, Physconelloides, Texas.

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LARVAL PHANTOM MIDGES IN MISSOURI (DIPTERA: CHAOBORIDAE).
W R Enns
Kans Entomol Soc J 33(3):125-128, 4 REFS.
Jul 1960 420 K13
Chaoboridae, Insect biology, Larvae.

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A NEW ALLAPORUS FROM SOUTHERN TEXAS (HYMENOPTERA: POMPILIDAE).
H E Evans
Kans Entomol Soc J 32(1):29-30
Jan 1959 420 K13
Allaporus, Hymenoptera, Insect taxonomy.

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PREY RECORDS FOR SOME MIDWESTERN AND SOUTHWESTERN SPIDER WASPS (HYMENOPTERA: POMPILIDAE).
H E Evans
Kans Entomol Soc J 32(2):75-76, 2 REFS.
Apr 1959 420 K13
Hymenoptera, Insect behavior, Pompilidae.

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POST-ECLOSION SHEDDING OF A MEMBRANE BY ONCOPELTUS FASCIATUS (DAL.) (HEMIPTERA: LYGAEIDAE).
D Feir
Kans Entomol Soc J 37(1):21-22, 1 REF., 3 FIGS.
Jan 1964 420 K13
Insect morphology, Oncopeltus.

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NOTES ON THE GENUS EULEIA WALKER IN NORTH AMERICA (DIPTERA: TEPHRITIDAE).
R H Foote
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Oct 1959 420 K13
Euleia, Insect identification, North America, Tephritidae.

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A STUDY OF THE TYPES OF TEPHRITIDAE DESCRIBED BY F. M. VAN DER WULP IN :BIOLOGIA CENTRALI-AMERICANA: (DIPTERA).
R H Foote
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Jul 1965 420 K13
Acrotaenia, Anastrepha, Baryplegma, Blepharoneura, Dyseuaresta, Ensina, Euaresta, Euarestoides, Eutreta, Hexachaeta, Insect taxonomy, Neotephritis, Paroxyna, Polionota, Polymorphomyia, Pseudoacrotaenia, Rhagoletis, Rhagoletoides, Spilographa, Tephritis, Tetreuaresta, Trupanea, Trypeta, Urellia.

5475-68
THE GENUS TEPHRITISLATRIELLE IN THE NEARCTIC REGION NORTH OF MEXICO: DESCRIPTIONS OF FOUR NEW SPECIES AND NOTES ON OTHERS (DIPTERA: TEPHRITIDAE).
R H Foote
Kans Entomol Soc J 33(2):71-85, 4 REFS.
Apr 1960 420 K13
Insect identification, Nearctic regions, North America, Tephritis.

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NOTES ON THE WALKER TYPES OF NEW WORLD TEPHRITIDAE (DIPTERA).
R H Foote
Kans Entomol Soc J 37(4):316-326, 26 REFS.
Oct 1964 420 K13
Insect taxonomy, Tephritis, Trypeta.

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REVISION OF THE CACTUS PLANT BUG GENUS HESPEROLABOPS KIRKALDY HEMIPTERAO MIRIDAE).
R C Froeschner
U S Nat Mus Proc 123 3614), 11 P.
1967 500 SM65P
Acanthocerus, Opuntia.
Includes H. mexica, n. sp.

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THE GENUS CERALEPTUS COSTA IN THE WESTERN HEMISPHERE (HEMIPTERA: COREIDAE).
R C Froeschner
Kans Entomol Soc J 36(2):109-113, 6 REFS.
Apr 1963 420 K13
Ceraleptus, Insect morphology, Insect taxonomy.

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ENTOMOLOGICAL NOTES FROM THE ALOHA STATE.
D T Fullaway
Entomol Soc Amer Bull 5(3):151
Sep 1959 423.9 EN8
Entomology, Hawaii.

5480-68
ELEMENTS OF ENTOMOLOGY - THE PROGRAM.
R Glen
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Jun 1958 423.9 EN8
Entomology, Research.

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J L Gressitt L W Quate
Entomol Soc Amer Bull 4(4):124-126
Dec 1958 423.9 EN8
Evolution, Insects, Pacific region, Zoogeography.

5482-68
COMPARATIVE SUITABILITY OF THE FOUR MURINE RODENTS OF HAWAII AS HOSTS FOR XENOPSYLLA VEXABILIS AND X. CHEOPIS (SIPHONAPTERA).
G Haas
J Med Entomol 2(1):75-83, TABS., BIBL. 84-85
Apr 1965 421 J828
Hawaii, Rodents, Xenopsylla.

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NEW SPECIES OF THE GENUS NEMOTELUS FROM THE WESTERN UNITED STATES (DIPTERA: STRATIOMYIDAE).
W J Hanson
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Apr 1963 420 K13
Insect taxonomy, Nemotelus.

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OCCURRENCE AND RELATIVE ABUNDANCE OF CERTAIN NOCTUID MOTHS IN NORTHWEST ARKANSAS, FALL, 1957.
K Harrendorf
Kans Entomol Soc J 32(1):41-44, 1 REF., 2 TABS.
Jan 1959 420 K13
Arkansas, Insect dissemination, Noctuidae.

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THE SORGHUM MIDGE COMPLEX (DIPTERA, CECIDOMYIIDAE).
K M Harris
Bull Entomol Res 55(2):233-247, 21 REFS., 2 TABS.
Aug 1964 421 B87
Cecidomyiidae, Contarinia sorghicola, Diptera, Grain, Morphology.

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BIOLOGY OF THE BLACK-LEGGED TICK.
R L Harris
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Apr 1959 420 K13
Insect biology, Ixodides.

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A NEW PHYTOPHAGOUS TERMITE FROM SAUDI ARABIA.
W V Harris
Bull Entomol Res 55(3):479-481, 3 REFS.
Dec 1964 421 B87
Citrus, Insect taxonomy, Saudi Arabia, Termites.

5488-68
EVALUATION OF INSECT LOSSES. THE ALFALFA WEEVIL: AN EXAMPLE.
E Hastings
Entomol Soc Amer Bull 6(2):86-87, 3 REFS.
Jun 1960 423.9 EN8
Insect pests.

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W E Hazeltine L Chandler
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Jan 1964 420 K13
Bombus, Insect identification, Psythirus.

5490-68
SOME LABORATORY OBSERVATIONS ON THE RATES OF DEVELOPMENT, MORTALITY AND OVIPOSITION OF SEVERAL SPECIES OF BRUCHIDAE BREEDING IN STORED PULSES.
R W Howe J E Currie
Bull Entomol Res 55(3):437-477, 48 REFS., 7 TABS.
Dec 1964 421 B87
Bruchidae, Coleoptera, Insect morphology, Legumes, Metamorphosis, Mortality, Ovipositors, Storage diseases.

5491-68
THE MALE OF METROCORIS SQUAMIFER LUNDBLAD (HETEROPTERA: GERRIDAE).
H B Hungerford R Matsuda
Kans Entomol Soc J 33(1):7-9, 1 TAB.
Jan 1960 420 K13
Gerridae, Insect biology, Metrocoris.

5492-68
CONCERNING THE GENUS HYNESIONELLA POISSON AND A NEW SPECIES FROM SOUTH AFRICA (HETEROPTERA: GERRIDAE).
H B Hungerford R Matsuda
Kans Entomol Soc J 32(1):37-40, 2 TABS.
Jan 1959 420 K13
Gerridae, Hynesionella, Insect identification.

5493-68
SYNONYMY OF THE GENERA RHYACOBATES ESAKI 1923 AND ESAKOBATES LUNDBLAD 1934, AND A DESCRIPTION OF A NEW SPECIES OF RHYCOBATES FROM CHINA. (HEMIPTERA: GERRIDAE).
H B Hungerford R Matsuda
Kans Entomol Soc J 32(2):69-72, 1 TAB.
Apr 1959 420 K13
China, Esakobates, Hemiptera, Insect identification, Rhyacobates.

5494-68
CONCERNING THE GENUS LIMNOGONUS AND A NEW SUBGENUS (HETEROPTERA: GERRIDAE).
H B Hungerford R Matsuda
Kans Entomol Soc J 32(1):40
Jan 1959 420 K13
Hemiptera, Insect identification, Limnogonus.

5495-68
THREE NEW SPECIES OF LAELAPSIS FROM NORTH AMERICA (ACARINA: LAELAPTIDAE).
P E Hunter
Kans Entomol Soc J 37(4):293-301, 2 REFS.
Oct 1964 420 K13
Laelapsis, North America.

5496-68
BEEFLY PARASITISM OF THE AMERICAN CARPENTER BEES BELONGING TO THE GENUS XYLOCOPA LATRIELLE (DIPTERA HYMENOPTERA).
P D Hurd Jr
Kans Entomol Soc J 32(2):53-58, 10 REFS.
Apr 1959 420 K13
Diptera, Parasitism, Xylocopa.

5497-68
A CONTRIBUTION TO THE SYSTEMATICS OF THE BEE GENUS PROTEPEOLUS LINSLEY AND MICHENER (HYMENOPTERA: APOIDEA).
P D Hurd E G Linsley
Kans Entomol Soc J 36(4):253-255, 3 REFS.
Oct 1963 420 K13
Bees, Insect taxonomy.

5498-68
THE GENUS LAELAPS (ACARINA: LAELAPIDAE) IN TAIWAN.
E W Jameson Jr
J Med Entomol 2(1):41-53
Apr 1965 421 J828
Laelaps, Taiwan.

5499-68
OBSERVATIONS ON THE NESTS OF NOMIA NEVADENSIS BAKERI WITH COMPARATIVE NOTES ON NOMIA NEVADENSIS ARIZONENSIS (HYMENOPTERA: HALICTIDAE).
W B Kerfoot
Kans Entomol Soc J 37(2):152-157, 5 REFS.
Apr 1964 420 K13
Insect behavior, Nomia.

5500-68
THE ELECTRON MICROSCOPE AS AN INSTRUMENT IN INSECT TAXONOMY.
K T Khalaf
Kans Entomol Soc J 32(2):94-96
Apr 1959 420 K13
Electron microscopy, Insect taxonomy.

5501-68
NEW SPECIES AND NEW RECORDS OF PYGOSTENINI FROM LIBERTA. IVORY COAST, AND CAMEROUN (COLEOPTERA: STAPHYLINIDAE).
D H Kistner
Kans Entomol Soc J 38(4):325-351, 19 REFS.
Oct 1965 420 K13
Anommatophilus, Cameroun, Doryloxenus, Eupolemon, Insect identification, Insect morphology, Ivory Coast, Liberia, Micropolemon, Mimocete, Pogostenus, Pygostenini, Sympolemon, Typhloponemys, Zoogeography.

5502-68
ELEMENTS OF ENTOMOLOGY - THE MAN.
K L Knight
Entomol Soc Amer Bull 4(2):42-44
Jun 1958 423.9 EN8
Entomologists, Entomology, Man.

5503-68
BIOLOGY AND CONTROL OF DERMATOBIA HOMINIS (L. JR.) IN HONDURAS (DIPTERA: CUTEREBRIDAE).
H D Koone A D Banegas
Kans Entomol Soc J 32(3):100-108, 11 REFS., 1 TAB.
Jul 1959 420 K13
Dermatobia, Honduras, Insect biology, Insect control, Oestridae.

5504-68
SOME NEW POMPILID PREY RECORDS FROM SOUTHERN FLORIDA HYMENOPTERA: POMPILIDAE).
F E Kurczewski
Fla Entomol 46(2):209-213, 12 REFS.
Jun 1963 420 F662
Insect behavior, Pompilids, Predaceous insects.

5505-68
COMMON NAMES OF INSECTS.
J L Laffoon
Entomol Soc Amer Bull 6(4):175-211
Dec 1960 423.9 EN8
Insect names.

5506-68
RECORDS OF THE GENUS SVASTRA IN NORTH AMERICA WITH THE DESCRIPTION OF A NEW SPECIES (HYMENOPTERA: APIDAE).
W E LaBerge
Kans Entomol Soc J 36(1):52-56, 2 REFS.
Jan 1963 420 K13
Insect taxonomy, Svastra.

5507-68
EFFECTIVENESS OF THREE 2-METHYL-AZIRIDINE DERIVATIVES AS HOUSE FLY CHEMOSTERILANTS.
G C LaBrecque D W Meifert H K Gouck
Fla Entomol 46(1):7-10, 5 REFS.
Mar 1963 420 F662
Chemosterilants, Food, Musca domestica.

5508-68
A NEW SPECIES OF NOTONECTA FROM FLORISSANT. (HEMIPTERA: NOTONECTIDAE).
D R Lauck
Kans Entomol Soc J 33(2):69-71, 5 REFS.
Apr 1960 420 K13
Insect identification, Missouri, Notonecta.

5509-68
IDENTIFICATION OF THE NYMPHS OF COMMON FAMILIES OF HEMIPTERA.
F A Lawson
Kans Entomol Soc J 32(2):88-92
Apr 1959 420 K13
Hemiptera, Insect identification, Nymphs.

5510-68
SEXING FIRST INSTAR COCKROACHES (ORTHOPTERA: BLATTIDAE).
F A Lawson E Q Lawson
Kans Entomol Soc J 38(4):408-410, 1 REF.
Oct 1965 420 K13
Blaberus, Blatta, Blattella, Blattidae, Eurycotis, Leucophaea, Periplaneta, Sex determination, Suppella.

5511-68
ADDITIONAL RECORDS OF MISSOURI APHIDS.
M D Leonard
Kans Entomol Soc J 36(2):65-84
Apr 1963 420 K13
Aphididae, Insect taxonomy, Missouri.

5512-68
A PRELIMINARY LIST OF THE APHIDS OF MISSOURI.
M D Leonard
Kans Entomol Soc J 32(1):9-18
Jan 1959 420 K13
Aphididae, Insect identification, Missouri.

5513-68
MOSQUITOES OF TAIWAN: GENUS TO TOXORHYNCHITES THEOBALD.
J C Lien
J Med Entomol 2(1):1-16, TABS
Apr 1965 421 J828
Culicidae, Taiwan.

5514-68
MILLIPEDS OF THE ORDER POLYDESMIA FROM THE WESTERN STATES AND BAJA CALIFORNIA.
H F Loomis
Kans Entomol Soc J 33(2):57-68
Apr 1960 420 K13
Baja California, Insect ecology, Insect identification, Polydesmia, Western United States.

5515-68
A NEW FLORIDA MILLIPED GENUS OF THE FAMILY PARAIULIDAE.
H F Loomis
Fla Entomol 46(2):193-195
Jun 1963 420 F662
Gyniulus, Insect taxonomy.

5516-68
NEW MYRMECOPHILUS MILLIPEDS FROM BARRO COLORADO ISLAND, CANAL ZONE, AND MEXICO.
H F Loomis
Kans Entomol Soc J 32(1):1-7
Jan 1959 420 K13
Diplopoda, Insect identification.

5517-68
MILLIPEDS FROM STATES IMMEDIATELY NORTH AND SOUTH OF THE MEXICAN BOUNDARY.
H F Loomis
Kans Entomol Soc J 36(2):118-126
Apr 1963 420 K13
Diplopoda.

5518-68
A STUDY OF THE MIDGUT EPITHELIUM OF FIVE WATERBUGS (HEMIPTERA: CRYTOCERATA).
E P Marks
Kans Entomol Soc J 32(2):77-83, 2 REFS., 2 TABS.
Apr 1959 420 K13
Cryptocerata, Food habits, Insect biology.

5519-68
OBSERVATIONS ON THE DRY-SEASON SURVIVAL OF SIMULIUM DAMNOSUM THEO. IN GHANA.
J D M Marr D J Lewis
Bull Entomol Res 55(3):547-564, 32 REFS., 3 TABS.
Dec 1964 421 B87
Environment, Ghana, Insect behavior, Simuliidae.

5520-68
A NEW SPECIES OF MICROSTYLUM (DIPTERA: ASILIDAE) FROM MEXICO.
C H Martin
Kans Entomol Soc J 33(1):44-45, 4 REFS.
Jan 1960 420 K13
Asilidae, Insect identification, Mexico, Microstylum.

5521-68
GENERIC AND SUBFAMILY CHANGES, NEW SYNONYMY, NEW NAMES, A NEW SPECIES, AND NOTES ON ASILIDAE (DIPTERA).
C H Martin
Kans Entomol Soc J 38(2):110-134, 56 REFS.
Apr 1965 420 K13
Acronyches, Asilidae, Asilus, Atomosia, Beameromyia, Bombomina, Ceraturgus, Cerotainiops, Cormansis, Dasypogon, Dizonias, Efferia, Eicherax, Erax, Euscelidia, Insect taxonomy, Lampria, Laphria, Leptogaster, Metapogon, Microstylum, Nemochtherus, Ommatius, Panamasilus, Philonicus, Proctacanthus, Promachina, Promachus, Psilonyx, Schildia, Shannomyioleptus, Smerynolaphria, Taracticus.

5522-68
NEW SPECIES OF CEROAINIOPS CURRAN (DIPTERA: ASILIDAE).
C H Martin
Kans Entomol Soc J 32(2):49-53
Apr 1959 420 K13
Asilidae, Ceroainiops, Insect identification.

5523-68
DISTRIBUTION OF TWO STREPSIPTERA IN FLORIDA0 1960-1962.
K E Meadows
Fla Entomol 52 2)0137-139
Jun 1967 420 F662
Caenocholax fenyesi, Strepsiptera, Trioza mexicana.

5524-68
A NOTE ON ANCISTROCERUS TIGRIS IN TRAPNESTS IN WISCONSIN (HYMENOPTERA: VESPIDAE).
J T Medler
Kans Entomol Soc J 38(3):314-316, 6 REFS.
Jul 1965 420 K13
Ancistrocerus, Wisconsin.

5525-68
AN OVERLOOKED OLD WORLD SPECIES OF LETHOCERUS (HEMIPTERA: BELOSTOMATIDAE).
A S Menke
Kans Entomol Soc J 36(4):258-259, 1 REF.
Oct 1963 420 K13
Lethocercus, Old World.

5526-68
TREETOP MATING AGGREGATIONS OF POGONOMYRMEX (HYMENOPTERA: FORMICIDAE).
C D Michener
Kans Entomol Soc J 33(1):46, 2 REFS.
Jan 1960 420 K13
Formicidae, Insect behavior, Pogonomyrmex.

5527-68
NESTS OF NOMIA PULCHRIBALTEATA IN NEW GUINEA (HYMENOPTERA: HALICTIDAE).
C D Michener
Kans Entomol Soc J 37(2):116-118, 3 REFS.
Apr 1964 420 K13
Insect ecology, New Guinea, Nomia.

5528-68
THE DISTRIBUTION OF SANDFLIES (DIPTERA, PSYCHODIADAE) IN KENYA.
D M Minter
Bull Entomol Res 55(2):205-217, 23 REFS.
Aug 1964 421 B87
Diptera, Insect dissemination, Kenya, Phlebotomus, Psychodidae.

10 5529-68

5529-68
SEASONAL CHANGES IN POPULATIONS OF PHLEBOTOMINE SANDFLIES (DIPT., PSYCHODIDAE) IN KENYA.
D M Minter
Bull Entomol Res 55(3):421-435, 13 REFS., 2 TABS.
Dec 1964 421 B87
Environment, Insect behavior, Kenya, Phlebotomus, Psychodidae.

5530-68
TWO NEW GENERA OF HALICTINE BEES FROM THE ARAUCANIAN SUBREGION OF SOUTH AMERICA (HYMENOPTERA: APOIDEA).
J S Moure
Kans Entomol Soc J 37(4):265-275, 12 REFS.
Oct 1964 420 K13
Insect taxonomy, South America.

5531-68
GENERIC SYNONYMY IN THE PHYTOSEIIDAE (ACARINA: MESOSTIGMATA).
M H Muma
Fla Entomol 46(1):11-16, 25 REFS.
Mar 1963 420 F662
Insect taxonomy, Phytoseiidae.

5532-68
THE GENUS GALENDROMUS MUMA, 1961 (ACARINA: PHYTOSEIIDAE).
M H Muma
Fla Entomol SUPPLEMENT(1):15-40 8 REFS.
Sep 1963 420 F662
Insect morphology, Insect taxonomy.

5533-68
THE ECOLOGY OF ANTS OF STRIP-MINE SPOIL BANKS.
J R Munsee
Diss Abstr Sect B 27 11)03980B
May 1967 Z5055.U49D53
Formica rubicunda, Insect ecology, Leptothorax muscorum, Myrmica emeryana, Smithistruma filitalpa, Stenamma meridonale, Sysphincta pergandei.

5534-68
NEW BAT CHIGGERS FROM THAILAND AND THE SOLOMON ISLANDS WITH NOTES ON THE SUBGENUS SASATROMBICULA VERCAMMEN-GRANDJEAN (ACARINA: TROMBICULIDAE).
M Nadchatram C J Mitchell
J Med Entomol 2(1):70-74
Apr 1965 421 J828
Bats, Solomon islands, Thailand, Trombiculidae.

5535-68
THE RELATION OF INSECT TAXONOMY TO APPLIED BIOLOGY.
P W Oman
Entomol Soc Amer Bull 6(1):3-5, 8 REFS.
Mar 1960 423.9 EN8
Biology, Insect taxonomy.

5536-68
A NEW GENUS OF BOMBYLIIDAE (DIPTERA).
R H Painter
Kans Entomol Soc J 32(2):73-75, 3 REFS.
Apr 1959 420 K13
Bombyliidae, Diptera, Insect identification.

5537-68
A REVIEW OF THE SUBFAMILY SYSTROPINAE (DIPTERA: BOMBYLIIDAE) IN NORTH AMERICA.
R H Painter E M Painter
Kans Entomol Soc J 36(4):278-348, 29 REFS.
Oct 1963 420 K13
Insect taxonomy, Systropus.

5538-68
DISCUSSION OF SYNONYMY AND FIRST ILLUSTRATIONS OF LARVA AND PUPA OF COREOPSOMELA ELEGANS (OLIVIER 1807) FROM CALIFORNIA.
C S Papp
Kans Entomol Soc J 32(3):137-141
Jul 1959 420 K13
California, Coleoptera, Coreopsomela, Insect identification.

5539-68
SOME EGGS OF MOTHS FROM SEVERAL FAMILIES OF MICROLEPIDOPTERA.
A Peterson
Fla Entomol 52 2)0125-132
Jun 1967 420 F662
Insect eggs, Microlepidoptera.
Eggs of 24 species in 11 families described and photographed

5540-68
THREE NEW SPECIES OF HEBRUS CURTIS FROM THE PHILIPPINE ISLANDS.
T W Porter
Kans Entomol Soc J 32(1):31-35
Jan 1959 420 K13
Hebrus, Hemiptera, Insect identification.

5541-68
SOME BIOLOGICAL OBSERVATIONS ON PHILANTHUS POLITUS PACIFICUS CRESSON (HYMENOPTERA: SPHECIDAE).
J A Powell J A Chemsak
Kans Entomol Soc J 32(3):115-120, 11 REFS.
Jul 1959 420 K13
Insect biology, Philanthus, Sphecidae.

5542-68
BIOLOGICAL CONTROL IN FOREST ENTOMOLOGY.
M L Prebble
Entomol Soc Amer Bull 6(1):6-8, 23 REFS.
Mar 1960 423.9 EN8
Biological control (insects), Forest insects.

5543-68
TWO NEW SPECIES OF COLPOCEPHALUM MALLOPHAGA, MENOPONIDAE) FROM NEOTROPICAL CICONIIFORMES.
R D Price K C Emerson
Entomol Soc Amer Ann 60 5), 875-881 REF
Sep 1967 420 EN82
Colpocephalum cayennensis, Insect taxonomy.
Abstract included.

5544-68
THE SPECIES OF COLPOCEPHALUM (MALLOPHAGA: MENOPONIDAE) KNOWN TO OCCUR ON THE STRIGIFORMES.
R D Price J R Beer
Kans Entomol Soc J 36(1):58-64, 8 REFS.
Jan 1963 420 K13
Insect morphology, Strigiformes.

5545-68
TYPE SPECIMENS OF PHLEBOTOMUS PERTURBANS DE MEIJERE.
L W Quate
J Med Entomol 4 1)042
25 Apr 1967 421 J828
Insect taxonomy.

5546-68
OBSERVATIONS ON THE BIOLOGY OF CUTEREBRA LATIFRONS COQUILLET (DIPTERA: CUTEREBRIDAE).
F J Radovsky E P Catts
Kans Entomol Soc J 33(1):31-36, 5 REFS., 2 TABS.
Jan 1960 420 K13
Cuterebra, Insect biology.

5547-68
A DISTRIBUTIONAL CHECK-LIST OF NEBRASKA MOSQUITOES.
W F Rapp Jr
Kans Entomol Soc J 32(3):128-133, 14 REFS.
Jul 1959 420 K13
Culicidae, Insect dissemination, Nebraska.

5548-68
A SYNECOLOGICAL STUDY OF THE EFFECTS OF THE IMPORTED FIRE ANT ERADICATION PROGRAM II. LIGHT TRAP, SOIL SAMPLE, LITTER SAMPLE AND SWEEP NET METHODS OF COLLECTING.
W C Rhoades
Fla Entomol 46(4):301-310, 5 REFS.
Dec 1963 420 F662
Insect control, Solenopsis.

5549-68
AN ANOMALOUS SPECIMEN OF ANDRENA CHLOROGASTER VIERECK (HYMENOPTERA: APOIDEA).
D W Ribble
Kans Entomol Soc J 38(1):87, 1 REF.
Jan 1965 420 K13
Andrena, Apoidea, Hymenoptera, Insect abnormalities.

5550-68
A REVISION OF THE SUBFAMILY STOLIDOSOMINAE DIPTERA, DOLICHOPODIDAE).
H Robinson
Entomol Soc Amer Ann 60 5), 892-903
Sep 1967 420 EN82
Insect taxonomy, Stolidosominae.
Abstract included.

5551-68
A NEW SPECIES OF ALCIPPUS FROM EQUADOR (HETEROPTERA: PENTADOMIDAE).
H Ruckes
Kans Entomol Soc J 32(3):97-100
Jul 1959 420 K13
Alcippus, Equador, Insect identification, Pentadomidae. .

5552-68
EPIZOOTIOLOGY OF TRYPANOSOMA CRUZI IN SOUTHWESTERN NORTH AMERICA. PART VII. EXPERIMENTAL CONTROL OF TRYPANOSOMA CRUZI BY IMMUNOLOGICAL METHODS.
R E Ryckman
J Med Entomol 2(1):105-108
Apr 1965 421 J828
Epizootic diseases, Immunology, Mexico, North America, Trypanosomidae.

5553-68
EPIZOOTIOLOGY OF TRYPANOSOMA CRUZI IN SOUTHWESTERN NORTH AMERICA.
R E Ryckman D L Folkes L E Olsen P L Robb A E Ryckman
J Med Entomol 2(1):87-108, 14 REFS.
Apr 1965 421 J828
Epizootic diseases, Hemiptera, Kinetoplastida, Mexico, North America, Triatominae, Trypanosoma.

5554-68
EPIZOOTIOLOGY OF TRYPANOSOMA CRUZI IN SOUTHWESTERN NORTH AMERICA.PART I. NEW COLLECTION RECORDS AND HOSTS FOR TRYPANOSOMA CRUZI CHAGAS (KINETOPLASTIDA:TRYPANOSOMIDAE) (HEMIPTERA:TRIATOMINAE).
R E Ryckman A E Ryckman
J Med Entomol 2(1):87-89
Apr 1965 421 J828
Epizootic diseases, Hemiptera, Kinetoplastida, Mexico, North America, Triatominae, Trypanosoma, Trypanosomidae.

5555-68
ELEMENTS OF ENTOMOLOGY - THE INSECT.
R I Sailor
Entomol Soc Amer Bull 4(2):44-46
Jun 1958 423.9 EN8
Entomology, Insects.

5556-68
REDESCRIPTIONS OF ANAPHOTHRIPS ORCHIDACEUS AND A. ORCHIDEARUM THYSANOPTERAOTHRIPIDAE).
K Sakimura
Fla Entomol 52 2)089-97, REF.
Jun 1967 420 F662
Anaphothrips orchidaceus orchidaceum, Anaphothrips orchidaceus orchidaceus, Insect taxonomy, Orchidaceae, Thripidae.

5557-68
THE EFFECT OF SITE AND SAMPLING METHOD ON THE SIZE AND COMPOSITION OF CATCHES OF TSETSE FLIES (GLOSSINA) AND TABANIDAE (DIPTERA).
D S Saunders
Bull Entomol Res 55(3):483-497, 23 REFS., 7 TABS.
Dec 1964 421 B87
Attractants, Diptera, Glossina, Insect collecting equipment.

5558-68
THE DISTRIBUTION AND BIOLOGY OF ANDPHELES BALABACENSIS IN THAILAND (DIPTERA: CULICIDAE).
J E Scanlon U Sandhinand
J Med Entomol 2(1):61-69
Apr 1965 421 J828
Culicidae, Insect biology.

5559-68
MIMETIC ASSOCIATIONS OF LYCID AND CERAMBYCID BEETLES (COLEOPTERA) IN COAHUILA, MEXICO.
R B Selander J L Miller J M Mathieu
Kans Entomol Soc J 36(1):45-52, 4 REFS.
Jan 1963 420 K13
Cerambycids, Lycids, Mimicry.

5560-68
THE RESPONSIBILITIES OF THE INSECT TAXONOMIST.
J A Slater
Entomol Soc Amer Bull 6(1):17-19
Mar 1960 423.9 EN8
Insect taxonomy.

5561-68
JAPYGIDAE OF NORTH AMERICA, 6. NEW SPECIES OF EVALLJAPYX WITH 26 ANTENNAL SEGMENTS.
L M Smith
Kans Entomol Soc J 33(1):1-6
Jan 1960 420 K13
Evalljapyx, Insect identification, Japygidae, North America.

5562-68
JAPYGIDAE OF NORTH AMERICA. 9. THE GENUS METAJAPYX.
L M Smith C L Bolton
Kans Entomol Soc J 37(2):126-138, 26 REFS.
Apr 1964 420 K13
Insect identification, Japygidae, Metajapyx, North America.

5563-68
RECOGNITION AND DURATION OF LARVAL INSTARS OF THE RICE WEEVIL AND THE GRANARY WEEVIL.
E L Soderstrom
Kans Entomol Soc J 33(4):157-161, 10 REFS., 2 TABS.
Oct 1960 420 K13
Insect morphology, Sitophilus.

5564-68
INTRAPOPULATION VARIABILITY AS A RESTRICTIVE FACTOR IN THE USE OF FREE AMINO ACIDS IN COMPARATIVE TAXONOMY.
W P Stephen A L Steinhauer
Kans Entomol Soc J 32(3):123-127, 7 REFS., 2 TABS.
Jul 1959 420 K13
Amino acids, Insect taxonomy, Periplaneta, Population.

5565-68
SOME PREVIOUSLY UNPUBLISHED DRAWINGS OF GAMASID MITES BY THE LATE DR. A. C. OUDEMANS.
R W Strandtmann
Kans Entomol Soc J 36(1):2-7, 8 REFS.
Jan 1963 420 K13
Gamasid mites, Haemolaelaps, Hypoaspis, Insect taxonomy, Laelaps.

5566-68
NASAL MITES OF THAILAND BIRDS (ACARINA: RHYNONYSSIDAE).
R W Strandtmann
Kans Entomol Soc J 33(4):129-151, 20 REFS.
Oct 1960 420 K13
Birds, Mites, Rhyonyssidae.

5567-68
NEW RECORDS FOR RHINONYSSUS HIMANTOPUS AND NOTES ON OTHER SPECIES OF THE GENUS.
R W Strandtmann
Kans Entomol Soc J 32(3):133-136, 3 REFS.
Jul 1959 420 K13
Insect identification, Mites, Rhinonyssus.

5568-68
NEW SPECIES OF PSEUDOPANURGUS FROM ARIZONA HYMENOPTERA, APOIDEA).
P H Timberlake
Amer Mus Novitates 00 2298), 1-23
18 Aug 1967 500 N483N
Arizona, Pseudopanurgus.

5569-68
A GUIDE TO THE IDENTIFICATION OF ALL STAGES OF THE HAEMAPHYSALIS TICKS OF SOUTH INDIA.
H Trapido M G R Varma P K Rajagopalan K R P Singh
Bull Entomol Res 55(2):249-270, 32 REFS.
Aug 1964 421 B87
Haemaphysalis, India, Insect taxonomy, Ixodides.

5570-68
THE BIOLOGY OF CALLIGAETIS FLORIDANUS BANKS (EPHEMEROPTERA: BAETIDAE).
L M W Trost L Berner
Fla Entomol 46(4):285-299, 8 REFS.
Dec 1963 420 F662
Callibaetis, Insect biology.

5571-68
TAXONOMIC NOTES ON THE GENUS AGENIELLA (HYMENOPTERA: POMPILIDAE).
M S Wasbauer
Kans Entomol Soc J 32(3):109-111
Jul 1959 420 K13
Ageniella, Insect taxonomy, Pompilidae.

5572-68
NORTH DAKOTA ARACBNID RECORDS.
G C Wheeler J Wheeler
Kans Entomol Soc J 37(1):6-8, 4 REFS.
Jan 1964 420 K13
Arachnida, Chelifer, Chernetidae, Chthonidae, Eremobates, Eutrombicola, Latrodectus, Neobisiidae, North Dakota, Trombicola, Vejovis.

5573-68
PROCTOCANTBELLA BROMLEY (DIPTERA: ASILIDAE).
J Wilcox
Kans Entomol Soc J 38(2):106-110, 7 REFS.
Apr 1965 420 K13
Asilidae, Diptera, Proctacanthella.

5574-68
LARVAL INSTARS AND HEAD CAPSULE MORPHOLOGY IN THREE SOUTH-EASTERN IPS BARK BEETLES.
R C Wilkinson
Fla Entomol 46(1):19-22, 1 REFS.
Mar 1963 420 F662
Insect morphology, Ips bark beetles, Larvae.

5575-68
ECOLOGY OF THE MAIZE WEEVIL, SITOPHILUS ZEAMAIS MOTSCHULSKY), RELATIVE TO FLIGBT BABITS, ATTRACTION TO SUNFLOWERS, AND TWO HYMENOPTEROUS PARASITES.
R N Williams
Diss Abstr Sect B 27 11)03981B
May 1967 Z5055.U49D53
Insect ecology, Insect flight, Sunflowers.

5576-68
A NEW SPECIES OF OSBORNIELLA (MALLOPAAGA) FROM THE GROOVE-BILLED ANI.
J S Wiseman
Kans Entomol Soc J 36(2):101-103, 3 REFS.
Apr 1963 420 K13
Cuculiformes, Insect taxonomy, Osborniella.

5577-68
A TRIFURCATE TIGER BEETLE ANTENNA (COLEOPTERA: CICINDELIDAE).
G R Wood
Kans Entomol Soc J 38(4):392-394, 1 REF., 2 PLS.
Oct 1965 420 K13
Antennae, Cicindela, Insect abnormalities.

5578-68
DETERMINATION OF APHIDS IN BOPS.
R G Wright
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Bracon hebetor, Bracon serinopae, Insect eggs.
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Abstract included.

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Aquatic animals, Aquatic insects, Ceratopogonidae, Chironomidae, Coleoptera, Diptera, Ephemeroptera, Forests, Odonata, Phosphamidon, Plecoptera, Simuliidae, Spraying, Streams, Tipulidae, Trichoptera.
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Birds, Deer, Dogs, Habitats, Humans, Insect rearing, Livestock, Mites, Parasitism, Pheasants, Rainfall, Zoogeography.

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Aquatic insects, Chironomidae, Diptera, DDT , Ephemeroptera, Fish, Forests, Plecoptera, Simuliidae, Spraying, Streams, Trichoptera, Water pollution.
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Abstract included.

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Abstract included.

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M H A Keenleyside
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Aquatic insects, Chironomidae, Diptera, DDT , Ephemeroptera, Fish, Forests, Petroleum, Plecoptera, Spraying, Streams, Trichoptera, Water pollution.
Abstract included.

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Albinism, Metamorphosis, Mortality, Parthenogenesis, Temperature.

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Glands insects), Spiders.
Abstract

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Entomology, Insecticides, Research.

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Insects, Organophosphorus insecticides.

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Insect morphology, Larvae, Perdita.

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Insect behavior, Solpugida.

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J K Nayar
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Aedes taeniorhynchus, Diurnal rhythm, Insect eggs, Insect physiology.
Abstract included.

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Carpocapsa, Insect behavior.

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Amatidae, Arctiidae, Fetal membranes, Geometridae, Insect eggs, Notodontidae.

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Insect eggs, Moths, Phycitidae, Pyralidae.

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Insect biology, Phytoseiulus macropilis, Predaceous insects.
Abstract included.

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Bathyplectes curculionis, Hypera postica, Insect eggs.
Abstract included.

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Blattidae, Degeneration, Gonads.

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Benzene hexachloride, Dieldrin, DDT , Musca domestica.

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Malathion, Musca domestica, Piperonyl butoxide.

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Agricultural chemistry, Pest control, Poisons.

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Laccophilus fasciatus, Laccophilus maculosus, Predaceous insects.
Abstract included.

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Euglossa ignita, Euglossa imperialis, Larvae.
Abstract included.

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MATING OF THE HOUSE FLY MUSCA DOMESTICA L., IN MONITORED DARKNESS.
W M Rogoff
J Med Entomol 2(1):54-56
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Insect behavior, Musca domestica.

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L M Roth
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Blattidae, Insect eggs, Viviparity.
Abstract included.

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R M Sawicki A W Farnham
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Dipping, Insecticide resistant insects, Musca domestica.

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S R Singh E L Soderstrom
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Insect eggs, Sitophilus.

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Heliothis zea, Sex behavior.
Abstract included.

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Sex behavior, Spodoptera frugiperda.
Abstract included.

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I B Sprague
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Gerridae, Nymphs.
Abstract included.

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C E Stegmaier
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Agromyzidae, Grasses, Liriomyza sorosis, Parasitic insects.

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Gryllotalpidae, Insecticides, Plant pest control, Tobacco.

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Host relationships, Ixodides.

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Anthonomus grandis, Estigmene acrea, Insect rearing.
Abstract included.

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J F Watkins II
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Formicidae, Insect behavior, Insect tropism, Neivamyrmex.

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Araneida, Hyphantria, Predaceous insects.

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Alydus pilosulus, Insect biology.
Abstract included.

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B H Wilson
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Ovipositors, Sex behavior, Tabanus fuscicostatus, Tabanus lineola.
Abstract included.

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D A Wolfenbarger L W Getzin
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Hyphantria, Parasitism, Tortricids.

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Abstract included.

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N T Davis
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# 20 CROP PROTECTION

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METABOLIC ASPECTS OF SPORE GERMINATION IN FUNGI.
P J Allen
Annu Rev Phytopathol 3:313-342, 190 REFS.
1965 464.8 AN72
Fungi, Metabolism, Spore germination.

5752-68
ANTIGENS ASSOCIATED WITH PRUNUS NECROTIC RINGSPOT VIROSIS.
W R Allen J H Tremaine
Phytopathology 53(8):869
Aug 1963 464.8 P56
Antibodies, Antigens, Necrotic ring spot (prunus), Rabbits.

5753-68
IN VIVO SELECTION OF BIOTYPES OF CEPHALOSPORIUM INHIBITORY TO THE DEVELOPMENT OF TOMATO AND COTTON FUSARIUM WILT SYMPTOMS.
C C Allison D V Phillips
Phytopathology 53(8):869-870
Aug 1963 464.8 P56
Cephalosporium, Cotton, Fusarium, Tomatoes, Wilt (cotton), Wilt (tomatoes).

5754-68
INCREASE IN NITROGENOUS COMPOUNDS IN SOIL FOLLOWING SOIL FUMIGATION.
J Altman
Phytopathology 53(8):870
Aug 1963 464.8 P56
Dichloropropane dichloropropene mixture, Nitrogen compounds, Soil fumigation.

5755-68
INFECTION OF PINUS CONTORTA BY BASIDIOSPORES OF CRONARTIUM COMANDRAE.
E A Andrews G Rall P Lupcho
Phytopathology 53(8):870

Aug 1963 464.8 P56
Basidiospores, Cronartium, Pinus.

5756-68
PERFORMANCE OF SOYBEAN STRAINS MODIFIED BY BACKCROSSING FOR SOME SIMPLY INHERITED CHARACTERISTICS.
N D Arora
Diss Abstr Sect B 27 11)03756B
May 1967 Z5055.U49D53
Lodging soybeans), Soybeans.
Includes lodging.

5757-68
ADAPTION OF FUNGI TO METAL TOXICANTS.
J Ashida
Annu Rev Phytopathol 3:153-174, 124 REFS., 2 TABS.
1965 464.8 AN72
Fungi, Metals, Poisons.

5758-68
COMPARATIVE DEVELOPMENT OF THE HYPODERMA AND LOPHODERMIUM NEEDLE CASTS OF EASTERN WHITE PINE.
W M Banfield
Phytopathology 53(8):870
Aug 1963 464.8 P56
Hypoderma, Lophodermium, Needle cast (pinus), Pinus.

5759-68
CROWN GALL ON RHODODENDRON.
G J Bart
Phytopathology 53(8):870
Aug 1963 464.8 P56
Crown galls (rhododendron), Rhododendron.

5760-68
A MECHANISM OF INDUCED HOST RESISTANCE TO POLYGALACTURONASE IN RHIZOCTONIA-INFECTED TISSUE.
D F Bateman
Phytopathology 53(8):870-871
Aug 1963 464.8 P56
Beans, Pectinase, Rhizoctonia, Tissues.

5761-68
INSECT-FUNGUS BLISTER GALLS OF SOLIDAGO AND ASTER.
L R Batra
Kans Entomol Soc J 37(3):227-234, 12 REFS., 5 PLS.
Jul 1964 420 K13
Aster, Asteromyia, Plant galls, Rhytisma, Sclerotium, Solidago.

5762-68
EFFECTS OF PLANT-PARASITIC NEMATODES ON GROWTH OF CRANBERRY.
G W Bird
Phytopathology 53(8):871
Aug 1963 464.8 P56
Cranberries, Criconemoides, Hemicycliphora, Parasitism.

5763-68
A SELF-INDUCED, NONHEREDITARY VARIATION IN VERTICILLIUM.
W B Brandt
Phytopathology 53(8):871
Aug 1963 464.8 P56
Beredity, Verticillium.

5764-68
DOWNWARD MOVEMENT OF CONIDIA OF CERATOCYSTIS ULMI FROM TERMINAL TWIGS OF ELM.
M F Brown R J Campana M A Rosinski
Phytopathology 53(8):871
Aug 1963 464.8 P56
Conidia, Spores, Ulmus.

5765-68
INFLUENCE OF SUBSTITUTION AND MOLECULAR CONFORMATION ON THE UPTAKE OF S-TRIAZINES BY FUNGUS SPORES.
H P Burchfield E E Storrs
Phytopathology 53(8):871
Aug 1963 464.8 P56
Dichloro-6-anilino-s-triazine, 2-4, Fungi, Spores.

5766-68
WEED HOSTS OF OLPIDIUM BRASSICAE AND THE LETTUCE BIG-VEIN VIRUS.
R N Campbell
Phytopathology 53(8):872
Aug 1963 464.8 P56
Big vein (lettuce), Lettuce, Olpidium, Weeds.

5767-68
ANTAGONISTIC EFFECTS OF SOME SOIL FUNGI ON VERTICILLIUM SP. ISOLATED FROM MAPLE TREES.
S C Catani J L Peterson
Phytopathology 53(8):872
Aug 1963 464.8 P56
Acer, Aspergillus, Gliocladium, Penicillium, Soil fungi, Trichoderma, Verticillium.

5768-68
NECROTIC RINGSPOT VIRUS DETERMINATIONS: SPREAD AND EFFECT IN MONTOMORENCY SOUR CHERRY AND PEACH AND DISTRIBUTION IN ITALIAN PRUNE BUDS.
D Cation
Phytopathology 53(8):872
Aug 1963 464.8 P56
Cherries, Necrotic ring spot (cherries), Necrotic ring spot (prunus), Peaches, Prunes.

5769-68
HEXURONIC ACID METABOLISM IN AGROBACTERIUM TUMEFACIENS.
Y F Chang
Diss Abstr Sect B 27 11)03769B
May 1967 Z5055.U49D53
Agrobacterium tumefaciens, Galacturonic acid, Glucuronic acid.

5770-68
FUNGISTATIC AND FUNGICIDAL EFFECTS ON STREPTOMYCES RIMOSUS ON SOME SOIL-INBABITING PATHOGENIC FUNGI IN VITRO.
C C Chi
Phytopathology 53(8):872
Aug 1963 464.8 P56
Fusarium, Rhizoctonia, Streptomyces.

5771-68
HISTOPATHOLOGY OF DITYLENCHUS RADICICOLA IN AMERICAN BEACHGRASS AND OTHER HOSTS.
P D Chiaravalle G J Stessel
Phytopathology 53(8):872
Aug 1963 464.8 P56
Ditylenchus, Grasses, Histopathology.

5772-68
A PHYSODERMA-LIKE FUNGUS IN CITRUS AND RELATED SPECIES.
J F L Childs L E Kopp R E Johnson
Phytopathology 53(8):872
Aug 1963 464.8 P56
Citrus, Physoderma.

5773-68
SOME PROPERTIES OF AN INHIBITOR OF VIRUS INFECTIVITY FROM LEAVES OF PEANUT - A NEW HOST OF TOBACCO RINGSPOT VIRUS.
J S Chohan A W Troxel
Phytopathology 53(8):872-873
Aug 1963 464.8 P56
Bud blight (soybeans), Leaves, Peanuts, Ring spot (tobacco), Virucides.

5774-68
CELLULOLYTIC ACTIVITY OF MONOBASIDIOSPORE AND TISSUE ISOLATES OF FOMES ANNOSUS.
E B Cowling A Kelman
Phytopathology 53(8):873
Aug 1963 464.8 P56
Cellulase, Fomes, Monobasidiospores, Tissues.

5775-68
PHYSIOLOGIC SPECIALIZATION IN FUSARIUM OXYSPORIUM F. NIVEUM.
J M Crall
Phytopathology 53(8):873
Aug 1963 464.8 P56
Fusarium, Wilt (watermelon).

5776-68
EFFECT OF LIGHT ON SEXUAL REPRODUCTION IN HYPOMYCES SOLANI F. CUCURBITAE.
C R Curtis
Phytopathology 53(8):873
Aug 1963 464.8 P56
Fluorescent lamps, Bypomyces, Reproduction, Ultraviolet rays.

5777-68
WOOD EXTRACTIVE CONTENT AND FOMES PINI INFECTION OF EASTERN WHITE PINE.
R C DeGroot
Phytopathology 53(8):873
Aug 1963 464.8 P56

Extracts, Fomes, Pinus, Wood.

5778-68
PRACTICAL CONTROL OF STUMP SURFACE INFECTION BY FOMES ANNOSUS IN SLASH PINE.
C H Driver
Phytopathology 53(8):874
Aug 1963 464.8 P56
Fomes, Pinus, Timber.

5779-68
REDUCTION OF SYMPTOMS ASSOCIATED WITH HIGH-PHOSPHORUS LEVELS IN SOYBEANS BY AMO-1618.
J Dunleavy J F Kunkel
Phytopathology 53(8):874-875
Aug 1963 464.8 P56
Amo-1618, Boxilate methyl chloride, 2-, Isopropyl-4-dimethylamino-5-methylphenyl-1-piperidine car-, Phosphorus, Soybeans.

5780-68
STUDIES IN FUNGITOXICITY.IV. FUNGITOXICITY OF CERTAIN ETHYLENIC COMPOUNDS.
J D Edwards M Pianka
J Sci Food Agr 14(1):55-58, 21 REFS.
Jan 1963 382 S012
Ethylene, Fungi, Fungicides.

5781-68
ALAPTED TOLERANCE OF RHIZOCTONIA SOLANI TO INCREASED CONCENTRATIONS OF THREE SOIL FUNGICIDES.
H M Elsaid
Phytopathology 53(8):875
Aug 1963 464.8 P56
Dichlone, Maneb, Pentachloronitrobenzene, Rhizoctonia, Soil fungi.

5782-68
DIFFERENCES IN RATIO OF SPONTANEOUS CONSTRICTING RING FORMATION IN TWO SPECIES OF THE PREDACEOUS FUNGUS GENUS DACTYLELLA.
W A Feder P C Hutchins
Phytopathology 53(8):875
Aug 1963 464.8 P56
Dactylella, Nematodes, Predaceous fungi.

5783-68
EFFECT OF HOST CROP ON SOIL POPULATIONS OF SEVERAL PRATYLENCHUS SPECIES.
V R Ferris R L Bernard
Phytopathology 53(8):875
Aug 1963 464.8 P56
Pratylenchus, Soils, Soybeans.

5784-68
STUDIES ON THE DISEASE CYCLE OF CYTOSPORA SACCHARI.
S Flores I L Forbes
Phytopathology 53(8):875
Aug 1963 464.8 P56
Cytospora, Sugarcane.

5785-68
STUDIES ON THE NUCLEASES PRODUCED BY MICROORGANISMS. III. PROPERTIES OF PARTIALLY PURIFIED PHOSPHODIESTERASE 5-PRIME-NUCLEOTIDE-FORMING) PRODUCED BY PELLICULARIA SP.
Y Fujimura Y Hasegawa Y Kaneko S Doi
Agr Biol Chem 31 1)092-100, REF.
Jan 1967 385 AG8B
Pellicularia, Phosphodiesterase.

5786-68
LOW-VOLUME SPRAYING.
R H Fulton
Annu Rev Phytopathol 3:175-196, 91 REFS.
1965 464.8 AN72
Chemical control (plant diseases), Fungicides, Spraying.

5787-68
STUDIES ON THE AMINO ACID SEQUENCE OF HOLMES RIB-GRASS STRAIN VIRUS PROTEIN. I. SEPARATION OF PH 4.5 SOLUBLE TRYPTIC PEPTIDES AND AMINO ACID SEQUENCES OF SOME SMALL PEPTIDES OF HOLMES RIB-GRASS STRAIN VIRUS PROTEIN.
G Funatsu H Funatsu
Agr Biol Chem 31 1), 48-53
Jan 1967 385 AG8B
Amino acids, Mosaic Plantago), Peptides.

5788-68
SPECIFIC VIRUS ADSORPTION BY ANTIBODIES COUPLED TO A SOLID MATRIX.
G E Galvez
Phytopathology 53(8):875-876
Aug 1963 464.8 P56
Absorption (biological), Antibodies, Matrices, Viruses.

5789-68
THE EFFECT OF BEAN RUST ON THE FOLIAR UPTAKE OF P32.
D L Gerwitz R D Durbin
Phytopathology 53(8):876
Aug 1963 464.8 P56
Beans, Leaves, P32, Rust (beans), Uromyces.

5790-68
RELATION OF NUTRITION TO CLADOSPORIUM LEAF MOLD DEVELOPMENT IN TOMATO.
S A Ghabrial
Phytopathology 53(8):876
Aug 1963 464.8 P56
Cladosporium, Leaf mold disease (tomatoes), Plant nutrition, Tomatoes.

5791-68
NOTES ON WISCONSIN PARASITIC FUNGI. XXXII .
H C Greene
Wis Acad Sci Arts Lett Trans 55 00), 147-166
1966 500 W75
Fungus diseases plants), Parasitic plants, Phyllostica, Stagonospora.

5792-68
METHODS FOR OBTAINING THE PERFECT STAGE OF KABATIELLA CAULIVORA.
A H H Grinchenko N Colotelo
Phytopathology 53(8):876
Aug 1963 464.8 P56
Culture media, Kabatiella.

5793-68
EVIDENCE THAT TOMATO ASPERMY AND CUCUMBER MOSAIC VIRUSES ARE SEROLOGICALLY UNRELATED.
R G Grogan J K Uyemoto K A Kimble
Phytopathology 53(8):876-877
Aug 1963 464.8 P56
Aspermy (tomatoes), Cucumbers, Mosaic (cucumbers), Serological tests, Tomatoes.

5794-68
PECTOLYTIC AND CELLULOLYTIC ENZYME PRODUCTION BY COLLETOTRICHUM TRIFOLII.
J G Hancock R L Millar
Phytopathology 53(8):877
Aug 1963 464.8 P56
Colletotrichum, Enzymes.

5795-68
DEVELOPMENT OF WOUND HEARTWOOD IN IOWA HARDWOODS.
J H Hart H S McNabb Jr
Phytopathology 53(8):877
Aug 1963 464.8 P56
Hardwoods, Iowa.

5796-68
DWARFMISTLETOE ARCEUTHOBIUM) ON BREWER SPRUCE IN OREGON.
F G Hawksworth D L Wiens D P Graham
Northwest Sci 41 1), 42-44
May 1967 470 N81
Arceuthobium, Parasitic plants, Picea breweriana.

5797-68
EFFECTS OF PRATYLENCHUS PENETRANS ON THE NUTRIENT LEVEL OF N, P, K, CA, AND MG IN ROOTS AND LEAVES OF ILEX ROTUNDIFOLIA AND BERBERIS JULIANAE.
C M Heald Jr W R Jenkins
Phytopathology 53(8):877
Aug 1963 464.8 P56
Berberis, Ilex, Leaves, Pratylenchus, Roots.

5798-68
GROWTH OF PHYTOPHTHORA PARASITICA VAR. NICOTINIAE ON FATS AND FATTY ACID DERIVATIVES.
J W Hendrix J L Apple
Phytopathology 53(8):877-878
Aug 1963 464.8 P56
Culture media, Fats, Fatty acids, Phytophthora.

5799-68
SEROLOGICAL RELATIONSHIPS OF VIRUS ISOLATES FROM GRAPEVINES WITH DIFFERENT DISEASE SYMPTCMS.
W B Hewitt R H Taylor
Phytopathology 53(8):878
Aug 1963 464.8 P56
Grape vineyards, Serological tests, Vitis.

5800-68
DISEASE CONTROL THROUGH VIRUS-FREE STOCK.
M Hollings
Annu Rev Phytopathol 3:367-396, 180 REFS., 4 TABS.
1965 464.8 AN72
Crops, Germ-free life, Plant disease control, Virus diseases (plants).

5801-68
CCNFIRMATION OF FAILURE OF RCSE MOSAIC VIRUS TO SPREAD IN VIRGINIA.
F O Holmes
Phytopathology 53(8):878
Aug 1963 464.8 P56
Mosaic (rosa), Plant disease transmission, Rosa, Virginia.

5802-68
CYTOPATHOLCGY OF TOBACCO NECROSIS VIRUS INFECTION IN TOBACCO LEAVES.
W J Hooker J G Bald
Phytopathology 53(8):878
Aug 1963 464.8 P56
Cytopathology, Leaves, Necrosis, Tobacco.

5803-68
EFFECTS OF INFECTION BY THE STEM RUST FUNGUS ON THE VITAMIN B6, NIACIN, AND PANTOTHENIC ACID CONTENT OF WHEAT PLANTS.
M Husain C D Hobbs M C Futrell
Phytopathology 53(8):879
Aug 1963 464.8 P56
Nicotinic acid, Pantothenic acid, Stem rust (wheat), Vitamin b6, Wheat.

5804-68
CCRALLOID ROOT SYSTEMS IN PLANTS SHOWING LIME-INDUCED CHLOROSIS.
T C Hutchinson
Nature 214 5091), 943-945, REF
27 May 1967 472 N21
Chlorosis plants), Lime, Roots.

5805-68
EVALUATION OF RECURRENT SELECTION FOR STALK-ROT RESISTANCE IN MAIZE AND THE ASSOCIATED CHANGES IN OTHER AGRONOMIC CHARACTERS.
S Jinahyon
Diss Abstr Sect B 27 11)03758B
May 1967 Z5055.U49D53
Corn, Diplodia, Plant disease resistance.

5806-68
TEMPERATURE AS A FACTOR IN THE CONTROL OF TOMATO ROOT KNOT WITH OAT STRAW.
L F Johnson
Phytopathology 53(8):879
Aug 1963 464.8 P56
Oat straw, Root knot (tomatoes), Temperature, Tomatoes.

5807-68
THE MOVEMENT OF PRATYLENCHUS PENETRANS IN RELATION TO SOIL MCISTURE CONTENT AND AGGREGATE SIZE OBTAINED BY DRY SIEVING.
E M Jones W F Mai
Phytopathology 53(8):879
Aug 1963 464.8 P56
Pratylenchus, Sieves, Soil moisture.

5808-68
TOBACCO NECROSIS VIRUS AND ITS SATELLITE VIRUS.
B Kassanis
Nature 214 5084), 178
08 Apr 1967 472 N21
Necrosis, Tobacco.

5809-68
COMPATIBILITY RELATIONSHIPS IN TILLETIA CONTRAVERSA AS INDICATED BY FUSIONS BETWEEN PRIMARY SPORIDIA.
E L Kendrick J A Hoffman
Phytopathology 53(8):879
Aug 1963 464.8 P56
Sporidia, Tilletia.

5810-68
TOLERANCE OF PSEUDOMONAS GLYCINEA TO FREEZING TEMPERATURES.
B W Kennedy
Phytopathology 53(8):879-880
Aug 1963 464.8 P56
Pseudomonas, Temperature.

5811-68
POLYMERIZATION OF TMV PROTEIN IN WATER AND IN HEAVY WATER.
M T M Khalil
Diss Abstr Sect B 27 11)03793B
May 1967 Z5055.U49D53
Heavy water, Polymerization, Proteins, Water.

5812-68
STUDIES OF HYPHAL MORPHCGENESIS, PATHOGENICITY, AND TOXIN PRODUCTION OF ALTERNARIA SOLANI.
S B King
Diss Abstr Sect B 27 11)03744B
May 1967 Z5055.U49D53
Alternaria solani, Fungus diseases plants), Tomatoes, Toxins.

5813-68
BROAD BEAN MOTTLE VIRUS (BBMV) RIBONUCLEIC ACID.
T Kodama J B Bancroft
Phytopathology 53(8):880
Aug 1963 464.8 P56
Broadbeans, Mottle (broadbeans), Ribonucleic acid.

5814-68
THE DIPHENYLAMINE COLOR REACTION OF LEAF EXTRACTS FROM PLANTS INFECTED WITH POTATO LEAF ROLL VIRUS.
R Koenig W C Mueller
Phytopathology 53(8):880
Aug 1963 464.8 P56
Diphenylamine, Extracts, Leaf roll (potatoes), Leaves, Potatoes.

5815-68
EFFECTS OF NUTRIENTS AND INOCULUM DENSITY ON THE VIRULENCE OF PYTHIUM APHANIDERMATUM AND PYTHIUM ULTIMUM TO MUNG BEAN SEEDLINGS.
J M Kraft
Diss Abstr Sect B 27 11)03744B-3745B
May 1967 Z5055.U49D53
Fungus diseases plants), Mung beans, Nitrogen, Pythium aphanidermatum, Pythium ultimum.

5816-68
EPIPHYTIC MICROORGANISMS IN RELATION TO PLANT DISEASE.
C Leben
Annu Rev Phytopathol 3:209-230, 99 REFS.
1965 464.8 AN72
Epiphytes, Microorganisms, Plant diseases.

5817-68
INFLUENCE OF BACTERIA FROM LEAVES ON CUCUMBER ANTHRACNOSE IN PROTECTANT TESTS IN THE GREENHOUSE.
C Leben
Phytopathology 53(8):880-881
Aug 1963 464.8 P56
Anthracnose (cucumbers), Bacteria, Cucumbers, Leaves, Plant protective devices.

5818-68
INHIBITION OF FUSARIUM WILT SYMPTOMS IN COWPEA BY SPECIES OF CEPHALOSPORIUM.
D W Long
Phytopathology 53(8):881
Aug 1963 464.8 P56
Cephalosporium, Cowpeas, Fusarium, Wilt (cowpeas).

5819-68
A SIMPLE CLIMATE CHAMBER FOR POTATO LEAF ROLL VIRUS TESTING. CONTRIBUTION NO. 123).
H R Maccarthy
Amer Potato J 44 7), 257-259
Jul 1967 75.8 P842
Phytotrons, Potatoes.

5820-68
EFFECT OF LIGHT ON THE MATURATION OF APPRESORIA IN ERYSIPHE GRAMINIS TRITICI.
S S Masri A H Ellingboe
Phytopathology 53(8):882
Aug 1963 464.8 P56
Appressoria, Erysiphe, Light, Metamorphosis.

20 5821-68

5821-68
PLANT VIRUS INCLUSIONS.
F P McWhorter
Annu Rev Phytopathol 3:287-312, 80 REFS., 1 TAB.
1965 464.8 AN72
Inclusion bodies, Mosaic (tobacco), Tobacco,
Virus diseases plants.

5822-68
NATURE OF RESPONSE OF ZOOSPORES OF PHYTOPHTHORA PARASITICA TO SOIL FUNGISTASIS.
J M Menyonga
Diss Abstr Sect B 27 11)03745B
May 1967 Z5055.U49D53
Actinomycetes, Nitrogen, Phytophthora parasitica,
Soil biology.

5823-68
SAPROPHYTIC BEHAVIOR AND SURVIVAL OF PHYTOPHTHORA CINNAMOMI IN SOIL.
S M Mircetich
Diss Abstr Sect B 27 11), 3745B-3746B
May 1967 Z5055.U49D53
Avocados, Phytophthora cinnamomi, Saprophytes, Soil biology.

5824-68
STUDIES ON THE CONTROL OF VASCULAR WILT DISEASES OF COTTON BY FUNGI ASSOCIATED WITH THE COTTON PLANT.
A K M Mostafa
Diss Abstr Sect B 27 11)03746B
May 1967 Z5055.U49D53
Cotton, Fungus diseases  plants), Soil fungi, Toxins.

5825-68
USE OF MOLECULAR GEL FORMATICN TO PREPARE POTATO VIRUS-X INOCULA FOR ANTISERA.  CONTRIBUTION NO. 229).
J Munro
Amer Potato J 44  7), 249-254
Jul 1967 75.8 P842
Molecular gels, Potatoes, Serum, Virus-X  potatoes).

5826-68
ISOLATION, PURIFICATION AND OTHER STUDIES OF VIRUSES MECHANICALLY TRANSMITTED FROM PEAR.
S Nemec
Diss Abstr Sect B 27 11)03746B-3747B
May 1967 Z5055.U49D53
Chenopodium amaranticolor, Pears,
Plant disease transmission.

5827-68
STUDIES IN FUNGITOXICITY. III. FUNGITOXICITY OF CERTAIN BETA-NITROSTYRENES AND RELATED COMPOUNDS.
M Pianka
J Sci Food Agr 14(1):48-55, 36 REFS., 3 TABS.
Jan 1963 382 S012
Beta-nitrostyrenes, Fungi, Fungicides.

5828-68
CERCOSPORA LEAFSPOT OF SNAPDRAGONS.
D M Porter
Diss Abstr Sect B 27 11)03747B
May 1967 Z5055.U49D53
Antirrhinum, Cercospora antirrhina,
Leaf spot  Antirrhinum), Leaf spot  Maurandia), Maurandia.

5829-68
ASPECTS OF THE ECOLOGY AND PARASITIC RELATIONSHIP TO PEANUTS OF SEVERAL ECTOPARASITIC NEMATODES IN NORTH CAROLINA.
J W Potter
Diss Abstr Sect B 27 11)03747B
May 1967 Z5055.U49D53
Criconemoides ornatum, Helicotylenchus dihystera, Peanuts,
Plant nematodes, Trichodorus christiei,
Tylenchorhynchus claytoni.

5830-68
INHERITANCE OF RESISTANCE TO RACES 56 AND 15B-2 OF PUCCINIA GRAMINIS PERS. F. SP. TRITICI ERIKSS. AND HENN. IN TRITICUM AESTIVUM L.
M V Rao
Diss Abstr Sect B 27 11)03741B-3742B
May 1967 Z5055.U49D53
Plant disease resistance, Plant genetics.
Puceinia graminis tritici, Wheat.

5831-68
EFFECTS OF SOLUTES ON THE POLYMERIZATION OF TMV PROTEIN.
R A F Shalaby
Diss Abstr Sect B 27 11)03794B
May 1967 Z5055.U49D53
Acetamide, Ethylenediaminetetraacetic acid, Polymerization,
Potassium thiocyanate, Prolyl-alanyl-threonine, Proteins,
Solutes, Sucrose, Thiourea.

5832-68
HISTOCHEMISTRY OF FOLIAGE DISEASES.
N Suzuki
Annu Rev Phytopathol 3:265-286, 127 REFS.
1965 464.8 AN72
Fungi, Histochemistry, Leaves, Metabolism,
Plant disease resistance.

5833-68
MICROCLIMATE AND PLANT DISEASE.
P E Waggoner
Annu Rev Phytopathol 3:103-126, 63 REFS.
1965 464.8 AN72
Microclimate, Plant diseases.

5834-68
USE OF ENVIRONMENTAL FACTORS IN SCREENING FOR DISEASE RESISTANCE.
J C Walker
Annu Rev Phytopathol 3:197-208, 72 REFS.
1965 464.8 AN72
Crops, Environment, Fungi, Plant disease resistance.

5835-68
SEROLOGY IN VIRUS-DISEASE DIAGNOSIS.
C Wetter
Annu Rev Phytopathol 3:19-42, 180 REFS.
1965 464.8 AN72
Mosaic (tobacco), Serodiagnosis, Tobacco,
Virus diseases (plants).

5836-68
TRIALS WITH DIMETHOATE AGAINST THE CALIFORNIA RED SCALE, AONIDIELLA AURANTII (MASK.), AND OTHER CITRUS PESTS IN CYPRUS.
B J Wood
Bull Entomol Res 55(2):339-353, 9 REFS., 7 TABS.
Aug 1964 421 B87
Aonidiella, Citrus, Cyprus, Dimethoate.

5837-68
DETECTION AND CONTROL OF MILD STRAINS OF POTATO LEAF ROLL VIRUS.  CONTRIBUTION NO. 117).
N S Wright H R Maccarthy E F Cole
Amer Potato J 44  7), 245-248
Jul 1967 75.8 P842
Myzus persicae, Potatoes.
Aphios as infecting agent.
Abstracts in english and spanish.

5838-68
INSECTS OF PINE CONES IN ARKANSAS.
W C Yearian L O Warren
Kans Entomol Soc J 37(3):259-264, 6 REFS., 2 TABS.
Jul 1964 420 K13
Anobiidae, Arkansas, Blastobasidae, Blattidae, Braconidae,
Chalcididae, Chloropidae, Cleridae, Colydiidae, Cucujidae,
Curculionidae, Dermestidae, Elateridae, Eulophidae,
Eupelmidae, Formicidae, Gelechidae, Hydrophilidae,
Ichneumonidae, Mycetophagidae, Nitidulidae, Periposcidae,
Phycitidae, Pine cones, Pteromalidae, Rhizophagidae,
Scarabaeidae, Scolytidae, Tachinidae.

## Arthropods

5839-68
CONTROL OF THE ASPARAGUS FLY. )DU  (
Neth Plantenziektenkundige Dienst Ber 2 P.
13 Jun 1967 464.9 N38
Asparagus, Insect control, Platyparea poeciloptera.
Platyparea poeciloptera.

5840-68
ADVANTAGES AND PROBLEMS IN CITRUS PEST CONTROL BY AERIAL APPLICATION.
Aerial Appl 1(2):4-5
Jul 1963 333.8 AE8

Aerial pest control, Citrus, Insect pests.

5841-68
PINPOINT SPRAYING - ACCURATE SPRAYING APPLICATION CREDITED FOR A 99.7 PER CENT KILL.
Aerial Appl 3(5):4,12
May 1965 333.8 AE8
Aerial insect control, Carbaryl, Choristoneura, DDT , Forest insects, Geometridae, Helicopters, Idaho, Insecticide residues, Picea, Tsuga, Washington, Waterways.

5842-68
PROBLEMS OF MICROHIAL CONTROL IN JAPAN.
K Aizawa
Mushi 39 SUP), 97-102 REF
31 Mar 1967 421 M97
Bacillus thuringiensis, Hiological control insects), Hombyx, Galleria mellonella, Thuricide.

5843-68
NOTES ON THE BIOLOGY OF PHILANTHUS BICINCTUS (HYMENOPTERA: SPHECIDAE).
K H Armitage
Kans Entomol Soc J
38(2):89-100, 13 REFS., 3 TAHS., 4 FIGS., 1 PL.
Apr 1965 420 K13
Agapostemon, Ancistrocerus, Andrena, Anthophora, Apis, Augochlora, Augochlorella, Augochloropsis, Bombus, Chelonus, Colletes, Colliopsis, Crossocerus, Diplazon, Ectemnius, Exomalopsis, Halictus, Hylaeus, Lasioglossum, Lestica, Megachile, Melissodes, Perdita, Philanthus, Solierella, Sphecodes, Stenodynerus, Xylocelia.

5844-68
THE IDENTIFICATION OF DIABROTICA SPECIES BY CHORION SCULPTURING.
W T Atyeo G T Weekman D E Lawson
Kans Entomol Soc J 37(1):9-11
Jan 1964 420 K13
Corn, Diabrotica, Insect eggs.

5845-68
FEASIHILITY AND PROHLEMS OF CHEMICAL CONTROL OF RICE STEM BORERS, RESEARCH ON THE NATURAL ENEMIES OF RICE STEM HORERS.
H A Hess
Mushi 39 SUP), 45-50 REF
31 Mar 1967 421 M97
Hiological ccntrol insects), Chemical control insects), Chilo suppressalis, Natural control insects), Parasitic insects, Rice, Trichogramma japonicum.

5846-68
HIOLOGY OF A PINE BARK APHID, CINARA WATSONI, AND ITS RESPONSE TO TEMPERATURE.
H L Hrooks L O Warren
Kans Entomol Soc J 37(4):310-316, 5 REFS.
Oct 1964 420 K13
Cinara, Ins ct temperature, Pinus.

5847-68
SPANOGONICUS ALHOFASCIATUS AS AN INSECT AND MITE PREDATOR (HEMIPTERA: MIRIDAE).
G D Butler Jr
Kans Entomol Soc J 38(1):70-75, 11 REFS.
Jan 1965 420 K13
Aphis, Biological control (insects), Cotton, Heliothis, Hemiptera, Liorhyssus, Spanogonicus, Tetranychus, Trialeurodes.

5848-68
CALIFORNIA DEPARTMENT OF AGRICULTURE CONTRACTS WITH AIRCRAFT OPERATORS FOR HEETLEAF HOPPER CONTROL.
Aerial Appl 1(7):4-5,7
Dec 1963 333.8 AE8
Aerial insect control, California, Circulifer, Eutettix, Melons, Salsola, Sugar beets, Tomatoes.

5849-68
BIONOMICAL OHSERVATIONS ON MYRMECOPHILUS BEETLES OF THE GENUS CREMASTOCHEILUS (COLEOPTERA: SCARAHAEIDAE).
M A Cazier M A Mortenson
Kans Entomol Soc J 38(1):19-44, 20 REFS., 6 PLS.
Jan 1965 420 K13
Cremastocheilus, Crematogaster, Dorymyrmex, Genuchinus, Liometopum, Myrmecocystus, Novomessor, Pogonomyrmex.

5850-68
A NEW SUHSPECIES OF OEME COSTATA, WITH OBSERVATIONS ON THE HABITS OF LARVAE AND ADULTS (COLEOPTERA: CERAMBYCIDAE).
J A Chemsak
Kans Entomol Soc J 38(4):351-355, 1 REF., 5 PLS.
Oct 1965 420 K13
Abies, Oeme.

5851-68
OBSERVATIONS ON THE LARVAL HAHITS OF SOME CALLIDIINI WITH SPECIAL REFERENCE TO CALLIDIELLUM CUPRESSI (VAN DYKE) (COLEOPTERA: CERAMHYCIDAE).
J A Chemsak J A Powell
Kans Entomol Soc J 37(2):119-122, 9 REFS.
Apr 1964 420 K13
Callidiini, Cupressaceae, Insect behavior, Juniperus, Pinus, Pseudotsuga, Taxodiaceae, Tree diseases, Tsuga.

5852-68
THE BIOLOGICAL CONTROL OF SUGARCANE BORERS IN TAIWAN, 1948-1966.
C B Chen
Mushi 39 SUP), 103-108
31 Mar 1967 421 M97
Biological control insects), Diatraea saccharalis, Sugarcane, Taiwan.

5853-68
LIFE HISTORY STUDIES OF THE GRAPE ROOT BORER (LEPIDOPTERA: AEGERIIDAE) IN MISSOURI.
G N Clark W R Enns
Kans Entomol Soc J 37(1):56-63, 6 REFS.
Jan 1964 420 K13
Heauveria, Grapes, Insect diseases, Insect dissemination, Metarrhizium, Missouri, Vitacea.

5854-68
PROGRESS IN THE HIOLOGICAL CONTROL OF THE SOUTHERN GREEN STINK BUG, NEZARA VIRIDULA IN HAWAII HETEROPTERA, PENTATOMIDAE).
C J Davis
Mushi 39 SUP), 9-16 REF
31 Mar 1967 421 M97
Biological control insects), Nezara viridula, Ooencyrtus, Trichopoda pennipes, Trissolcus basalis.
Trissolcus basalis and Trichopoda pennipes var. pillipes to control Nezara viridula in Hawaii.
Abstract included.

5855-68
A NEW LACEBUG FROM HAITI (HEMIPTERA: TINGIDAE).
C J Drake J M Capriles
Kans Entomol Soc J 38(3):317-319, 1 PL.
Jul 1965 420 K13
Corythaica, Eggplant, Haiti, Hemiptera, Teleonemia.

5856-68
THE EFFECT OF VARIOUS FACTORS ON SURVEYS OF PREDACEOUS INSECTS IN SOYBEANS.
B A Dumas W P Boyer W H Whitcomb
Kans Entomol Soc J 37(3):192-201, 20 REFS., 3 TABS.
Jul 1964 420 K13
Araneida, Coleoptera, Diptera, Hemiptera, Neuroptera, Sampling (statistics), Soybeans.

5857-68
NOTES ON THE PREY AND NESTING BEHAVIOR OF SOME SOLITARY WASPS OF MEXICO AND SOUTHWESTERN UNITED STATES (HYMENOPTERA: SPHECIDAE AND POMPILIDAE).
H E Evans
Kans Entomol Soc J 37(4):302-307, 5 REFS.
Oct 1964 420 K13
Ageniella, Anoplius, Augochlora, Auplopus, Crabro, Diadasia, Empis, Exomalopsis, Halictus, Lycosa, Misumenops, Myospila, Orthellia, Pardosa, Paregle, Sarcophaga, Trachypus.

5858-68
OHSERVATIONS ON THE CLERID PREDATION OF THE SOUTHERN PINE HEETLE.
R T Franklin H J Green
Kans Entomol Soc J 38(2):202-203, 1 REF.
Apr 1965 420 K13
Biological control (insects), Dendroctonus, Pinus, Thanisimus.

5859-68
BIOLOGY STUDIES OF MACROSIPHUM AVENAE FABR.), ACYRTHOSIPHON DIRHODUM WALKER), AND RHOPALOSIPHUM PADI L.) ON GRAMINEAE IN WESTERN OREGON.
C L Greene
Diss Abstr Sect H 27 11)04171B
May 1967 Z5055.U49D53
Acyrthosiphon dirhodum, Aphidius obscuripes, Barley, Coccinella trifasciata subversa, Entomogenous fungi, Grain,

20 5860-68

Grasses, Hippodamia sinuata spuria, Insect biology, Macrosiphum avenae, Rhopalosiphum padi, Scaeva pyrasti.

5860-68
CURRENT RESEARCH ON THE BIOLOGICAL CONTROL OF ORYCTES CO-LEOPTERA, SCARABAEIDAE, DYNASTINAE).
C P Hoyt A Catley
Mushi 39 SUP), 3-8 REF
31 Mar 1967 421 M97
Biological ccntrol insects), Coconuts, Oryctes rhinoceros.

5861-68
AN ASSOCIATION BETWEEN A SPECIES OF CALOGLYPHUS (ACARINA: ACARIDAE) AND PHYLLOPHAGA ANXIA (COLEOPTERA: SCARABAE-IDAE).
J L Jarvis
Kans Entomol Soc J 37(3):207-210, 5 REFS.
Jul 1964 420 K13
Caloglyphus, Hay, Phyllophaga.

5862-68
A NEW SPECIES OF MACROCHELES (ACARINA: MACROCHELIDAE) ASSOCIATED WITH BARK BEETLES OF THE GENERA IPS AND DENDROCTONUS.
G W Krantz
Kans Entomol Soc J 38(2):145-153, 13 REFS.
Apr 1965 420 K13
Dendroctonus, Macrocheles, Ips.

5863-68
ANDRENA OF THE COLORADO FRONT RANGE: SPECIES OF THE TYPICAL SUBGENUS ON SALIX (HYMENOPTERA: APOIDEA).
U Lanham
Kans Entomol Soc J 38(2):198-201, 5 REFS.
Apr 1965 420 K13
Andrena, Salix.

5864-68
INSECTS COLLECTED ON WYOMING RANGELAND IN CONNECTION WITH GRASSHOPPER-EGG SAMPLING.
R Lavigne R E Pfadt
Kans Entomol Soc J 38(1):61-66, 3 TABS.
Jan 1965 420 K13
Agropyron, Bouteloua, Bromus, Calamovilfa, Carex, Festuca, Grasshoppers, Opuntia, Stipa.

5865-68
THE BIOLOGY OF ANTHRAX LIMATULUS FUR (OSTEN SACKEN), WITH A KEY TO AND DESCRIPTION OF PUPAE OF SOME SPECIES IN THE ANTHRAX ALBOFASCIATUS AND TRIMACULATUS GROUPS (DIPTERA: BOMBYLIIDAE).
N Marston
Kans Entomol Soc J 37(2):89-105, 11 REFS., 9 TABS.
Apr 1964 420 K13
Anthrax, Biological control (insects), Grasshoppers, Hymenoptera, Parasitology, Trimaculatus.

5866-68
RESISTANCE IN CORN TO THE CORN EARWORM, HELIOTHIS ZEA, AND THE FALL ARMYWORM, SPODOPTERA FRUGIPERDA LEPIDOPTERA, NOCTUIDAE). I. LARVAL FEEDING RESPONSES TO CORN PLANT EXTRACTS.
W W Mcmillian K J Starks M C Bowman
Entomol Soc Amer Ann 60 5), 871-873
Sep 1967 420 EN82
Corn, Heliothis zea, Larvae, Plant pest resistance, Spodoptera frugiperda.
Abstract included.

5867-68
SPECIES DIFFERENTIATION AMONG MATURE LARVAE OF DIABROTICA UNDECIMPUNCTATA HOWARDI, D. VIRGIFERA, AND D. LONGICORNIS.
C E Mendoza D C Peters
Kans Entomol Soc J 37(2):123-125, 1 REF.
Apr 1964 420 K13
Corn, Diabrotica.

5868-68
TAKE ONE TEASPOONFUL OF MALATHION: PLANES CAN NOW FLY HIGH-ER, MAKE A WIDER SWATH, AND USE AN UNBELIEVABLE SMALL AMOUNT OF CHEMICAL.
K Messenger
Aerial Appl 3(4):4-5
Apr 1965 333.8 AE8
Aerial spraying, Anthonomus grandis, Chrysomelidae, Circulifer, Grasshoppers, Malathion.

5869-68
THE EUROPEAN PINE SHOOT MOTH ECOLOGY AND CONTROL IN THE LAKE STATES.
W E Miller
Forest Sci Monogr 14, 72 P REF
1967 99.8 F76322
Biological control insects), Chemical control insects), DDT , Forest insects, Insect control, Pinus resinosa, Rhyacionia.
Review of the literature

5870-68
THE BIONOMICS OF AN INSECT-PARASITIC NEMATODE.
G E Moore
Kans Entomol Soc J 38(2):101-105, 3 REFS., 3 TABS.
Apr 1965 420 K13
Acheta, Heliothis, Neoaplectana, Trichoplusia.

5871-68
POSSIBILITY OF BIOLOGICAL CONTROL OF PSEUDOCOCCUS COMSTOCKI IN JAPAN.
Y Murakami R Morimoto H Kajita
Mushi 39 SUP), 85-96 REF
31 Mar 1967 421 M97
Allotropa burrelli, Allotropa convexifrons, Anagyrus subalbipes, Biological control insects), Clausenia purpurea, Parasitism, Pseudaphycus malinus, Pseudococcus comstocki.
Contribution ser. 2, no. 258, entomological laboratory, kyushu university.

5872-68
ON THE ECOLOGY OF STEM BORERS IN ASIA, RESEARCH ON THE NAT-URAL ENEMIES OF RICE STEM BORERS.
T Nishida
Mushi 39 SUP), 23-31, MAP
31 Mar 1967 421 M97
Asia, Biological control insects), Chilo suppressalis, Insect ecology, Insecticides, Natural control insects), Rice, Tryporyza incertulas.

5873-68
SEASONAL INCIDENCE OF INDIGENOUS LEAFHOPPERS HOMOPTERA, CICADELLIDAE) ON CORN AND SEVERAL WINTER CROPS IN MISSI-SIPPI.
H N Pitre
Entomol Soc Amer Ann 60 5), 1044-1055
Sep 1967 420 EN82
Cicadellidae, Corn.
Abstract included.

5874-68
ADDITIONS TO THE KNOWLEDGE OF THE NESTING BEHAVIOR OF NORTH AMERICAN AMMOPHILA (HYMENOPTERA: SPHECIDAE).
J A Powell
Kans Entomol Soc J 37(3):240:258, 16 REFS.
Jul 1964 420 K13
Ammophila, Caterpillars, North America.

5875-68
EFFECT OF INSECTICIDAL SEED TREATMENTS ON RICE.
L H Rolston P Rouse V Hall
Kans Entomol Soc J 33(3):119-122, 5 REFS., 3 TABS.
Jul 1960 420 K13
Aldrin, Chlordane, Insecticides, Lindane, Lissorhoptrus, Rice.

5876-68
BIOLOGY OF THE EGGPLANT TORTOISE BEETLE (COLEOPTERA: CHRYSOMELIDAE).
L H Rolston R Mayes P Edwards M Wingfield
Kans Entomol Soc J 38(4):362-366, 4 REFS.
Oct 1965 420 K13
Eggplant, Natural control (insects), Nuzonia, Solanum, Spilochalcis, Stiretrus, Tetrastichus.

5877-68
SOME FACTORS INFLUENCING LARVAL INFESTATIONS OF THE RICE WATER WEEVIL.
L H Rolston P Rouse
Kans Entomol Soc J 37(1):29-35, 3 REFS., 5 TABS.
Jan 1964 420 K13
Lissorhoptrus, Rice.

5878-68
THE SYSTEMATIC POSITION OF MELOETYPHILUS, A GENUS OF BLIND BLISTER BEETLES (COLEOPTERA: MELOIDAE).
R B Selander
Kans Entomol Soc J 38(1):45-55, 21 REFS.
Jan 1965 420 K13

Bamboo, Blindness, Euplusia, Meoetyphlus,
Natural control (insects), Predaceous insects.

5879-68
VARIATIONS IN SIZE AND WEIGHT OF THREE GEOGRAPHICAL POPULATIONS OF RICE WEEVIL COMPLEX.
E L Soderstrom D A Wilbur
Kans Entomol Soc J 38(1):1-9, 10 REFS, 4 TABS.
Jan 1965 420 K13
Corn, Insect identification, Rice, Sitophilus, Sorghum, Wheat.

5880-68
RESISTANCE IN CORN TO THE CORN EARWORM, HELIOTHIS ZEA, AND THE FALL ARMYWORM, SPODOPTERA FRUGIPERDA LEPIDOPTERA, NOCTUIDAE). III. USE OF PLANT PARTS OF INBRED CORN LINES BY THE LARVAE.
K J Starks M C Bowman W W Mcmillian
Entomol Soc Amer Ann 60 5), 873-874
Sep 1967 420 EN82
Corn, Heliothis zea, Larvae, Plant pest resistance, Spodoptera frugiperda.
Abstract included.

5881-68
SOME NEW HOST PLANT RECORDS AND PARASITES OF PHYTOBIA AM-AUROMYZA) MACULOSA IN FLORIDA DIPTERAO AGROMYZIDAE).
C E Stegmaier
Fla Entomol 52 2)099-101
Jun 1967 420 F662
Agromyzidae, Parasitic insects, Phytobia maculosa.

5882-68
OBSERVATIONS ON THE BIOLOGY CF COLLETES CILIATOIDES (HYMENOPTERA: APOIDEA, COLLETIDAE).
P F Torchio
Kans Entomol Soc J 38(2):182-187, 18 REFS., 5 PLS.
Apr 1965 420 K13
Colletes, Epeolus.

5883-68
THE EFFECT OF BIRD PREDATORS ON WINTER SURVIVAL OF THE SOUTHWESTERN AND EUROPEAN CORN BORERS IN ARKANSAS.
M L Wall W H Whitcomb
Kans Entomol Soc J 37(3):187-192, 3 REFS., 6 TABS, 2 PLS.
Jul 1964 420 K13
Arkansas, Birds, Corn, Ostrinia, Wildlife, Zeadiatraea.

5884-68
A PRELIMINARY ASSESSMENT OF THE EFFECTIVENESS OF PYRETHRUM AGAINST THE STALK BORER BUSSEOLA FUSCA (FULLER) IN THE FIELD IN KENYA.
A J S Weaving
Bull Entomol Res 55(3):565-572, 5 REFS., 8 TABS.
Dec 1964 421 B87
Busseola, Kenya, Pyrethrum.

5885-68
VEROMESSOR LOBOGNATHUS: THIRD NOTE (HYMENOPTERA: FORMICIDAE).
G C Wheeler J Wheeler
Kans Entomol Soc J 38(1):55-61, 7 REFS.
Jan 1965 420 K13
Grasses, Oryzopsis, Stipa, Veromessor.

5886-68
DISTRIBUTION AND BIONOMICS OF NATURAL ENEMIES OF RICE STEM BORERS, RESEARCH ON THE NATURAL ENEMIES OF RICE STEM BORERS.
K Yasumatsu
Mushi 39 SUP), 33-44
31 Mar 1967 421 M97
Biological control insects), Chilo suppressalis, Insect ecology, Natural control insects), Sesamia inferens, Tryporyza incertulas.

## Nematodes

5887-68
PARASITISM OF TOBACCO CALLUS AND KENTUCKY BLUEGRASS BY APHELENCHUS AVENAE.
K R Barker
Phytopathology 53(8):870
Aug 1963 464.8 P56
Aphelenchus, Parasitism, Poa, Tobacco.

5888-68
EFFECTS OF SOIL TEMPERATURE AND MOISTURE ON TYLENCHULUS SEMIPENITRANS.
J Feldmesser R V Rebois
Phytopathology 53(8):875
Aug 1963 464.8 P56
Humidity, Soils, Temperature, Tylenchulus.

5889-68
EFFECT OF SOIL MOISTURE ON XIPHINEMA AMERICANUM IN ABSENCE OF HOST PLANTS.
G D Griffin
Phytopathology 53(8):876
Aug 1963 464.8 P56
Humidity, Nematodes, Soils, Xiphinema.

5890-68
THE EFFECT OF SOIL FUNGI AND ROOT-KNOT NEMATODES ON THE GROWTH OF WHITE CLOVER IN FIELD BINS.
J E Halpin
Phytopathology 53(8):877
Aug 1963 464.8 P56
Growth factors, Root-knct nematodes, Soil fungi, White clover.

5891-68
QUANTITATIVE THEORY OF NEMATODE-ROOT RELATIONS.
J P Hollis
Phytopathology 53(8):878
Aug 1963 464.8 P56
Nematodes, Quantitative analysis, Roots.

5892-68
STUDIES ON THE LIFE CYCLE AND HOST RANGE OF THE LESPEDEZA CYST NEMATODE.
Y P Hung
Phytopathology 53(8):878-879
Aug 1963 464.8 P56
Heterodera, Metamorphosis.

5893-68
EFFECT OF ORGANIC SOIL AMENDMENTS ON NEMATODE POPULATIONS.
R Mankau
Phytopathology 53(8):881-882
Aug 1963 464.8 P56
Citrus, Nematodes, Organic compounds, Soils.

5894-68
FACTORS IN SURVIVAL OF NEMATODES.
S D VanGundy
Annu Rev Phytopathol 3:43-68, 135 REFS., 2 TABS.
1965 464.8 AN72
Metabolism, Nematodes, Plant dormancy, Reproduction, Resuscitation.

## Weeds

5895-68
THE RELATIONSHIP BETWEEN THE HERBICIDAL EFFECT OF 2,6-DICHLOROBENZONITRILE AND ITS PERSISTANCE IN THE SOIL.
G E Barnsley P H Rosher
Weed Res 1(2):147-158, 6 TABS.
Jun 1961 79.8 W412
Dichlorobenzonitrile,2,6-, Herbicides, Weed control.

5896-68
DORMANCY, GROWTH INHIBITION. AND TUBERIZATION OF NUTSEDGE CYPERUS ROTUNDUS L.) AS AFFECTED BY PHOTOPERIODS.
C Berger
Diss Abstr Sect B 27 11)03726B
May 1967 Z5055.U49D53
Cyperus rotundus, Photoperiodism, Plant dormancy, Salicylic acid.

5897-68
CONTROL OF TIMBER MILKVETCH, ASTRAGALUS MISER, AND EFFECTS ON ASSOCIATED VEGETATION.
E H Cronin M C Williams
J Sci Food Agr 16(7):II-15-3

20 5898-68

Jul 1965 382 SO12
Astragalus, Trichlorophenoxyacetic acid, 2,4,5-,
2-(2,4,5-trichlorophenoxy) propionic acid.

5898-68
ENVIRONMENTAL FACTORS RELATED TO MEDUSAHEAD DISTRIBUTION.
B E Dahl
Diss Abstr Sect B 27 11)03737B-3738B
May 1967 Z5055.U49D53
Altitude, Clay soils, Elymus caput-medusae, Grumusols,
Montmorillonite, Soil air, Soil horizons, Soil moisture,
Soil profiles.

5899-68
THE REACTION OF TRIFOLIUM REPENS (L.) IN GRASSLAND TO 2,4-
D, MCPA AND MIXTURES OF 2,4-D AND MCPB. .
J G Elliot
Weed Res 1(3):184-195, 9 REFS.
Sep 1961 79.8 W412
MCPA , MCPB , Weed control, White clover, 2,4-D.

5900-68
THE CONTROL OF WEEDS IN SPRING CEREALS WITH MCPA, MCPB AND
2,4-DB. .
S A Evans
Weed Res 1(3):203-210, 14 REFS.
Sep 1961 79.8 W412
DB,2,4-, Grain, MCPA , MCPB , Weed control.

5901-68
INFRARED STUDIES OF THE MECHANISMS OF ADSORPTION OF UREA AND
ITS HERBICIDAL DERIVATIVES BY MONTMORILLONITE.
W J Farmer
Diss Abstr Sect B 27 11)03749B
May 1967 Z5055.U49D53
Adsorption, Dimethyl urea, Infrared spectra, Methyl urea,
Montmorillonite, Urea.

5902-68
EXPERIMENTAL STUDIES OF THE MORTALITY AND PLASTICITY OF A
WEED.
J L Harper D Gajic
Weed Res 1(2):91-104, 9 REFS.
Jun 1961 79.8 W412
Agrostemma, Mortality, Plasticity, Weed control.

5903-68
A COMPARISON OF THE STATUS OF BIOLOGICAL CONTROL OF ST.
JOHNSWORT IN CALIFORNIA AND AUSTRALIA.
C B Huffaker
Mushi 39 SUP), 51-73 REF
31 Mar 1967 421 M97
Chrysolina hyperici, Chrysolina quadrigemina.

5904-68
CROP AND WEED RESPONSE TO VARYING LEVELS OF MINERAL NUTRI-
ENTS AND MOISTURE STRESS.
P E Keeley
Diss Abstr Sect B 27 11)03758B-3759B
May 1967 Z5055.U49D53
Crops, Minerals, Osmosis, Plant nutrition, Soil moisture,
Weeds.

5905-68
ABERRATIONS OF THE NUCLEIC ACID METABOLISM OF PLANTS INDUCED
BY 4-AMINO-3,5,6-TRICHLOROPICOLINIC ACID.
S S Malhotra
Diss Abstr Sect B 27 11)03824B
May 1967 Z5055.U49D53
Barley, Corn, Cucumbers, Herbicides, Nucleases,
Nucleic acids, Picloram, Plant metabolism, Plant physiology,
Soybeans, Wheat.

5906-68
MOVEMENT OF 2,6-DICHLOROBENZONITRILE IN SOILS AND IN PLANTS
IN RELATION TO ITS PHYSICAL PROPERTIES.
P Massini
Weed Res 1(2):142-146, 6 REFS., 7 FIGS.
Jun 1961 79.8 W412
Dichlorobenzonitrile,2,6-, Herbicides, Weed control.

5907-68
A COMPARISON OF HAY AND SILAGE FOR MILK PRODUCTION.
J C Murdoch J A F Kook
J Dairy Res 30(3):391-397, 17 REFS.
Oct 1963 44.8 J823
Grass silage, Hay, Milk, Silage.

5908-68
EXPERIMENTS ON THE CONTROL OF WEEDS IN GROUNDNUTS IN
TRIPOLITANIA.
P A Oram
Weed Res 1(3):211-228, 20 REFS., 8 TABS., 7 FIGS.
Sep 1961 79.8 W412
Dicotyledons, Monocotyledons, Peanuts, Tripolitania,
Weed control.

5909-68
THE CONTROL OF RANUNCULUS REPENS (L.) IN RASPBERRIES.
D W Robinson
Weed Res 1(2):105-113, 9 REFS., 5 TABS.
Jun 1961 79.8 W412
MCPA , Ranunculus, Raspberries, Weed control, 2,4,-D.

5910-68
CONTROL OF SWAINSONPEA, SWAINSONA SALSULA.
W C Robocker H D Kerr V F Bruns
J Sci Food Agr 16(7):II-15-2
Jul 1965 382 SO12
Swainsona, Swainsonpea,
Trichloro-phenoxyacetic acid, 2,4,5-,
2-(2,4,5-trichlorophenoxy)-propionic acid, 2,4-D.

5911-68
PHOTOLYSIS OF 3,5-DI-IODO-4-HYDROXYBENZONITRILE (IOXYNIL) AS
A FACTOR IN ITS HERBICIDAL ACTION.
E N Ugochukwu R L Wain
J Sci Food Agr 16(7):II-15-1
Jul 1965 382 SO12
Di-iodo-4-hydroxybenzonitrile, 3-5,
Diphenyl-4-hyroxybenzonitrile, 3-5, Ioxynil,
Phenyl-4-hydroxybenzonitrile, 3, Photochemistry.

5912-68
THE ENTOMOLOGICAL CONTROL OF WEEDS IN AUSTRALIA.
D F Waterhouse
Mushi 39 SUP), 109-118
31 Mar 1967 421 M97
Lantana camara, Ophiomyia lantanae, Teleonemia scrupulosa,
Weed control, Xanthium pungens.

## Other Pests

5913-68
ETIOLOGY OF A DISEASE SYNDROME IN THE GIANT AFRICAN SNAIL
ACHATINA FULICA BOWDICH.
W W Dean
Diss Abstr Sect B 27 11)03770B
May 1967 Z5055.U49D53
Achatina fulica, Aeromonas liquefaciens, Animal diseases,
Culture media, Snails.

# 30 LIVESTOCK PROTECTION

## Diseases

5914-68
DAINTY DOGIES IN PHOENIX.
R H Brunner
Aerial Appl 2(1):8
Jan 1964 333.8 AE8
Aerial livestock deodorizing, Brulin DO-5725 , Brulin GS-17 , Cattle, Deodorants, DO-5725 , Feedlots, GS-17 , Helicopters, Stockyards.

5915-68
HORMONAL CONTROL OF THE HEN:S OVULATION CYCLE.
D W Bullock
Diss Abstr Sect B 27 11)04096B
May 1967 Z5055.U49D53
Chickens, Chloroethyl)-N- 1-methy1-2-phenoxyethyl) benzylamine, N- 2-, ICSH , Ovulation.

5916-68
THE EFFECT OF FEED SUPPLEMENTS ON THE YIELD AND COMPOSITION OF MILK FROM COWS GRAZING GOOD PASTURE.
M E Castle A D Drysdale J N Watson
J Dairy Res 27:419-426, 15 REFS.
1960 44.8 J823
Dairy cattle, Feed supplements, Grazing, Milk.

5917-68
DETERMINATION OF HORSE MEAT IN COOKED MEAT PRODUCTS.
H R Cook
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Feb 1962 381 AS7
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Dairy cattle, Radioactive contamination.

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Casein, Meat inspection.

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American veterinary medical association, Avian diseases, Poultry, Symposia, Viruses.

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Gastrointestinal system, Horses, Lactic fermentation, Swine.

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Jul 1961 41.8 C81
Deer, Odocoileus, Pennsylvania.

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A A Alls M S Cover W J Benton W C Krauss
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May 1964 41.8 AV5
Absorption (biological), Antibiotics, Drugs, Eggs, Permeability.

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Eggs, Poultry disease prevention, Ultrasonic energy.

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S O Alpan
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Cattle, Hypomagnesemia, Magnesium, Nitrogen, Potassium, Rats, Serum.

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Carcinoma, Dogs.

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Horses, Osteochondrosis, Radiography.

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Chickens, Immunity, Newcastle disease.

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Copper, Lambs, Scotland, Swayback.

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Lambs, Swayback.

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Cytochrome oxidase, Histochemistry, Lambs, Swayback.

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J A Beech
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Bacteria, Cattle, Cells, Cytology, Dairy bacteriology, Mastitis, Milk.
In relation to mastitis.

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Botulism, Clostridium botulinum, Magnesium sulphate, Swine.
Treatment by administering magnisium sulphate in skim milk.

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Cattle, Feedlots, Livestock diseases, Veterinary medicine.

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J Bentinck-smith F H Fox D W Baker
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Jul 1961 41.8 C81
Dermatophilus, Horses, Streptotrichosis, United States.

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Antibiotics, Chickens, Salmonellosis.

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Chickens, Chronic respiratory disease, Feed additives.

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Air saculitis, Bacteria, Chicks, Pericarditis, Peritonitis.

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C H Bigland R Yamamoto
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Mycoplasma, Mycoplasma gallisepticum antigens, Poults, Turkeys.

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01 Nov 1960 41.8 AM3
Abnormalities, Cyclopia, Head, Hereditary diseases, Lambs, Pregnancy.

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K J Birn
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Culture media, Mycobacterium tuberculosis.

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J L Bittle C J York J W Newberne
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Canine distemper, Tissue culture.

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Dieldrin, Foxes, Heptachlor epoxide, Vulpes.

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Decontamination, Infectious diseases, Public health.

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Carcinoma, Dogs, Teeth.

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Dogs, Metritis.

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Animal disease transmission, Lambs, Vibrio.

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Animal disease transmission, Horses, Salmonellosis.

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Aminotransferases, Cattle, Sheep, Toxicology.

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Ataxia, Cats.

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Biology, Viruses.

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Cattle, Immunization.

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Babesia argentina, Cattle, Piroplasmosis, Vaccines.

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Leukosis, Rous sarcoma virus, Symposia.

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Chicks, Glutathione, Muscular dystrophy.

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Chicks, Coccidiosis, Feed, Vitamin K.

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L B Carew F W Hill
J Nutr 92 3), 393-398 REF
Jul 1967 389.8 J82
Diet, Diethylstilbestrol, Poultry.
Abstract included.

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A CLINICAL TRIAL OF DICHLOROPRENARSINE HYDROCHLORIDE IN TREATMENT OF CANINE HEARTWORM INFECTION.
E R Carlos A C Directo
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15 Dec 1960 41.8 AM3
Dirofilaria immitis, Dirofilariasis, Dogs.

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Bone diseases, Chickens, Copper, Deficiency diseases, Skeletal lesions.

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Chickens, Copper.

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Jan 1963 41.8 J82
Swine, Teschen disease virus, Tissue culture.

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Antibodies, Illinois, Leptospirosis, Sheep.

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Immunization, Newcastle disease virus, Vaccines.
English, French and Spanish summaries.

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Feces, Nematodirus, Sheep, Trichostrongylosis.

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Chickens, Coccidiosis, Eimeria, Immunization.

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PATHOLOGICAL AND IMMUNOLOGICAL CHANGES IN GNOTOBIOTIC CHICKENS DUE TO EIMERIA TENELLA.
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Chickens, Coccidiosis, Germ-free life.

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MULTIPLE PARASITISM IN FLEDGLING BIRDS: CASE REPORTS.
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Birds, Fledglings, Parasitism.

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LEPTOSPIRA POMONA ISOLATIONS BY DIRECT BLOOD CULTURE OF CLINICALLY INFECTED CATTLE.
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01 Dec 1960 41.8 AM3
Blood culture, Cattle, Leptospires, Leptospirosis.

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ATTENUATION OF VIRUS DIARRHEA VIRUS (STRAIN OREGON C24V) FOR VACCINE PURPOSES.
L Coggins J H Gillespie D S Robson J D Thompson
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Cattle, Immunization, Tissue culture, Virus diarrhea.

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Cattle, Dogs, Leptospirosis, Swine.

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Oct 1961 41.8 C81
Hepatic necrosis, Isocitrate dehydrogenase, Livestock.

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Deficiency diseases, Magnesium, Poultry.

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CBRONIC POISONING OF SHEEP AND GOATS BY LEAD. )FR (
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Air pollution, Ethylenediaminetetraacetic acid, Goats, Lead, Poisoning, Sheep, Toxicity.
English and French summaries.

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Avian diseases, Taxonomy.

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Chilomastix, Quail.

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Dogs, Heart.

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S S Dhillon
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Chick embryos, Fowlpox virus, Volumetric analysis.

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Borrelia anserina, Chickens, Spirochetosis.

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Mycoplasma gallisepticum antigens, Serological tests, Turkeys.

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OAK LEAF POISONING IN TWO HORSES.
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Feed toxicity, Horses, Quercus.

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Placenta, Sheep, Virus pneumonia.

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Birds, Mycoplasma gallisepticum.

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Avian leukosis complex, Breeding, Leghorn chickens.

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PULMONARY ASPERGILLOSIS IN A CALF.
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Calves, Pulmonary aspergillosis.

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METABOLISM OF DL-1,2-PROPANEDIOL-2-14- C IN A LACTATING COW.
R S Emery R E Brown A L Black

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Cattle, C14, Ketosis, Metabolism, Propanediol, DL-1,2- .
Abstract included.

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Antibodies, Chickens, Guinea pigs, Immunodiagnosis, Infectious bronchitis virus, Mice, Rabbits, Serodiagnosis, Serological tests, Surveys, Virology.

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Antibiotics, Chicks, Growth factors, Vitamin B complex.

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THE SENSITIVITY OF THE BIOTYPES OF BRUCELLA ABORTUS TO THREE ANTIBIOTICS USED IN SELECTIVE MEDIA, AND THE DESCRIPTION OF A NEW BIOTYPE.
I D Farrell L Robertson
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Brucella abortus, Cattle, Circulin, Cycloheximide, Ethyl violet, Polymyxin B sulphate.

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Heterodon, Leptospira, Snakes.

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E W Fisher H M Pirie
Brit Vet J 121(12):552-567, 13 REFS., 7 TABS.
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Cattle, Pericarditis.

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Chickens, Human diseases, Physiology, Vibrio, Vibriosis.

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Mice, Red clover.

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Jan 1965 41.8 V643
Livestock, Sterility.

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D W Francis R H Roberson Md Finkner
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May 1964 41.8 AV5
Newcastle disease, Poultry.

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CASE REPORT: SALMONELLAE ISOLATED FROM GREATER SANDHILL CRANES (GRUS CANDENSIS TABIDA) IN NEW MEXICO.
D W Francis W S Huey
Avian Dis 8(2):312-314
May 1964 41.8 AV5
Cranes, New Mexico, Salmonella.

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STUDIES OF PROTEUS ORGANISMS OF CANINE ORIGIN.
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Jan 1963 41.8 J82
Antigens, Bacteria, Dogs.

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GANGRENOUS DERMATITIS OF CHICKENS.
M N Frazier W J Parizek E Garner
Avian Dis 8(2):269-273
May 1964 41.8 AV5
Chickens, Clostridium septicum, Dermatitis, Gangrene, Staphylococcus aureus, Wing rot.

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RESPONSES OF DIFFERENT STOCKS OF CHICKENS TO INOCULATION AS EMBROYOS AND AS CHICKS WITH STRAIN RPL 12 AND FIELD ISOLATE OF LEUKOSIS VIRUS.
T N Fredrickson F Piraino W Okazaki B R Burmester
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Avian tumor virus, Chicks, Embryos, Immunization, Leukosis, RPL 12.

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THE USE OF SERUM AND BLOOD DRIED ON BLOTTING PAPER IN THE DETECTION OF FOOT-AND-MOUTH DISEASE ANTIBODY.
A Gaggero P Sutmoller
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Antibodies, Foot-and-mouth disease virus.

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ATTEMPT AT TRANSMISSION OF SHIPPING FEVER.
C Gale N B King V L Sanger
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Apr 1961 41.8 C81
Animal disease transmission, Cattle, Shipping fever.

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A COMPARISON OF THE TOXICITY TO POULTS AND CHICKS OF A CERTAIN PEANUT OIL MEAL.
E E Gardiner
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Jul 1962 47.8 AM33P
Chicks, Peanut meal, Poisoning, Poults.

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M R Gardiner
Australian Vet J 43 7), 243-248 REF
Jul 1967 41.8 AU72
Copper, Lupinosis, Sheep, Toxicity.

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IPOMOEA MUELLERI INTOXICATION OF SHEEP IN WESTERN AUSTRALIA.
M R Gardiner R Royce B Oldroyd
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Jun 1965 41.8 V643
Ipomoea, Poisoning, Sheep.

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THE EFFECT OF COBALT-60 ON STARLINGS (STURNUS VULGARIS VULGARIS.
S P Garg A Zajane R A Bankowski
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Nov 1964 41.8 AV5
Cobalt-60, Starlings.

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STUDIES ON A TISSUE-CULTURE-MODIFIED INFECTIOUS LARYNGOTRACEITIS VIRUS.
E F Gelenczei E W Marty
Avian Dis 8(1):105-122, BIBL. 121-122, TABS.
Feb 1964 41.8 AV5
Chickens, Laryngotracheitis, Tissue culture.

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NEWCASTLE DISEASE: IMMUNE RESPONSE IN CHICKENS TO A BETA-PROPIDLACTONE-KILLED VIRUS VACCINE.
E Gill H D Stone
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Chickens, Hydracrylic acid beta-lactone, Newcastle disease, Newcastle disease vaccines.

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COMPARISON BY NEUTRALIZATION TESTS OF STRAINS OF VIRUS ISOLATED FROM VIRUS DIARRHEA AND MUCOSAL DISEASE.
J H Gillespie L Coggins J Thompson J Haker
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Antigens, Mucosal disease, Virus diarrhea.

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R F Goodbary T J Hage
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15 Nov 1960 41.8 AM3
Horses, Hypertrophic pulmonary osteoarthropathy, Radiography.

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FURTHER STUDIES OF A MERCAPTOETHANOL-SENSITIVE BRUCELLA AGGLUTININ IN BOVINE MILK.
P M Gough
Diss Abstr Sect B 27 11)03820B
May 1967 Z5055.U49D53
Antibodies, Brucella abortus, Mercaptoethanol, Milk.

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BERSAMAABYSSINICA POISONING:THE CLINICAL AND PATHOLOGICAL PICTURE.
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Bersama, Cattle.

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HOVINE PAPULAR STOMATITIS I. RECOGNITION IN THE UNITED STATES.
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Bovine papular stomatitis virus, Calves, Ulcers.

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RETAINED CASEOUS YOLK SACS CAUSED BY ESCHERICHIA COLI.
W B Gross
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Aug 1964 41.8 AV5
Caseous yolk sacs, Chickens, Escherichia coli bacterin.

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L C Grumbles C F Hall G Cummings
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May 1964 41.8 AV5
Mycoplasma, Pleuropneumonia-like organisms, Tissue culture.

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Avian vibrionic hepatitis, Chickens, Vibrio.

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H H Hale W N Plastridge E F Stula
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Apr 1961 41.8 C81
Dairy cattle, Germ-free life, Streptococcus.

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Dogs, Radiography.

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May 1964 41.8 AV5
Duck hepatitis, Ducks.

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THE COMPARATIVE ANTHELMINTIC EFFICIENCY OF HEXACHLOROPHENE, BAYER 9015 AND SUBCUTANEOUS CARBON TETRACHLORIDE IN AN OUTBREAK OF SUBACUTE FASCIOLOSIS IN SHEEP.
F A Happich J C Boray B P Healy
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Bayer 9015, Carbon tetrachloride, Fascioliasis, Hexachlorophene, Sheep.

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THE TRANSFER OF ANTIBODIES FROM THE MOTHER CAT TO HER NEWBORN KITTENS.
S K Hardings D W Bruner I W Bryant
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Antibodies, Cats, Immunization, Salmonella.

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ACTIVITY OF VITAMIN K AND MENADIONE SODIUM BISULFITE COMPLEX WHEN MEASURED BY MORTALITY OF CHICKS WITH CECAL COCCIDIOSIS.
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Chicks, Coccidiosis.

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J A Harper G H Arscott
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Nov 1962 47.8 AM33P
Aneurysms, Chicks, Hairy vetch, Poisoning, Poults.

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W J Hartley J T Done
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Cytomegaloviruses, Sheep.

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R W S Harvey T H Price
J Hyg 65 2), 237-244 REF
Jun 1967 449.8 J82
Bone meal, Feed, Salmonella bacterins.

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FURTHER SEROLOGIC STUDIES OF BRUCELLOSIS IN WHITE-TAILED DEER OF THE SOUTHEASTERN U.S.
F A Hayes W T Gerard E B Shotts G J Dills
Amer Vet Med Ass J 137(3):190-191, 13 REFS.
01 Aug 1960 41.8 AM3
Brucellosis, Serological tests, White-tailed deer.

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K L Heddleston L P Watko P A Rebers
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Nov 1964 41.8 AV5
Chickens, Fowl cholera, Pasteurella bacterins, Pasteurella multocida.

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C F Helmboldt E Garner
Avian Dis 8(3):561-575, 15 REFS., PL.
Nov 1964 41.8 AV5
Chickens, Gumboro disease, IBA , Necrosis.

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R G Hemingway N S Ritchie
J Sci Food Agr 14(3):162-171, 8 FIGS., 4 TABS.
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Plasma-magnesium, Tetany.

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Chickens, Infectious synovitis, Tetracycline.

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Hemophilus, Keratoconjunctivitis, Moraxella, Toxins.

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Sep 1965 41.8 V643
Infectious diseases, Nutrition.

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S B Hitchner G S Appleton R W Winterfield
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Feb 1964 41.8 AV5
Antibodies, Birds, Infectious bronchitis.

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C M Hoe A G Sabara
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Jul 1967 41.8 J82
Dogs, Enzymes, Serum.

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P Holtenius
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Jan 1961 41.8 C81
Bovine hepatic disease, Cattle, Cytology, Liver diseases.

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THE IMMUNOLOGICAL AND BIOLOGICAL REACTIONS OF NEOPLASTIC MAST CELLS.
E B Howard
Diss Abstr Sect B 27 11)03736B
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Dogs, Histamine, Neoplasms, Rabbits.

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Sep 1965 41.8 V643
Animal diseases, Preventive medicine, Veterinary medicine.

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K Hubben D F Patterson D K Detweiler
Amer Vet Med Ass J 137(7): 411-416, 17 REFS.
01 Oct 1960 41.8 AM3
Carotid body, Dogs, Neoplasms.

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K Hubben J F Shirer G L Enold
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May 1964 41.8 AV5
Adenoma, Parakeets, Pituitary gland.

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Brit Vet J 121(9):408-413, 37 REFS.
Sep 1965 41.8 V643
Cattle, Deficiency diseases, Sheep.

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J Hwang E Dougherty 3rd
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May 1964 41.8 AV5
Chickens, Ducks, Embryos, Hepatitis (duck), Pekin ducks.

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HEMOGRAM OF TURKEY POULTS EXPERIMENTALLY INFECTED WITH SYNGAMUS TRACHEA.
J C Hwang
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Aug 1964 41.8 AV5
Poults, Syngamus trachea, Turkeys.

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S Z Ileri
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Apr 1965 41.8 V643
Diagnosis, Goats, Melioidosis.

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01 Aug 1960 41.8 AM3
Dogs, Foxes, Greenland, Rabies.

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ISOLATION OF MYCOPLASMA GALLISEPTICUM FROM FRESH EGGS AND BLOOD.
A C Jerstad
Avian Dis 8(1):36-39
Feb 1964 41.8 AV5
Eggs, Mycoplasma gallisepticum antigens, Poultry.

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THE MODE OF ACTION OF NIHYDRAZONE AGAINST CECAL COCCIDIOSIS IN CHICKENS.
C Johnson R J Van Ryzin
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Chickens, Coccidiosis, Feed additives.

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Chickens, Coccidiosis, Feed additives.

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Ataxia, Cats, Feline infectious enteritis.

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K M Kerr N O Olson
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Chickens, Infectious synovitis, Mycoplasma gallisepticum, Mycoplasma synoviae, Poultry disease resistance.

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Chickens, Classification, Enteroviruses.

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Chickens, Oregon, Round heart disease.

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J O L King
Brit Vet J 121(11):515-520, 10 REFS., 2 TABS.
Nov 1965 41.8 V643
Copper, Dairy cattle, Fats, Milk.

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MEMBRANE FILTER METHOD FOR THE DETECTION AND ENUMERATION OF SALMONELLA IN EGG ALBUMIN.
W K Kirkham P A Hartman

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Poultry Sci 41(4):1082-1088, 23 REFS., 3 TABS.
Jul 1962 47.8 AM33P
Culture modia, Dried eggs, Salmonellosis.

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M Klein
Amer Vet Med Ass J 137(11):670-674, 12 REFS.
01 Dec 1960 41.8 AM3
Epidemiology, Epizootic diseases, Immunization,
Public health, Zoonoses.

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GLUCOSE BIOKINETICS IN OVINE PREGNANCY TOXEMIA.
D S Kronfeld M G Simesen
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Oct 1961 41.8 C81
Biokinetics, Glucose, Pregnancy disease, Sheep.

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SOME INVESTIGATIONS INTO THE TOLERANCE OF MENICHLOPHOLAN 2,2:-DIHYDROXY-3,3:-DINITRO-5,5:-DICHLORDIPHENYL OR #BILEVON-M#) IN SHEEP WHEN USED FOR TREATMENT OF FASCIOLIASIS UNDER PRACTICAL CONDITIONS.
P J Lane J M Stewart
Vet Rec 80 24)0702-705
17 Jun 1967 41.8 V641
Anthelmintics,
Dihydroxy-3,3:-dinitro-5,5:-dichlorodiphenyl, 2,2:-,
Fascioliasis, Sheep.

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EXPERIMENTAL VACCINATION OF PIGS WITH AVIRULENT ROUGH STRAINS OF SALMONELLA CHOLERAE SUIS.
G H K Lawson C Dow
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Nov 1965 41.8 V643
Immunization, Salmonellosis, Swine.

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R A Le Clair D F Holtman
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Animal nutrition, Chicks, Salmonella, Vitamin B complex.

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P D Le-Riche
Australian Vet J 43 7), 265-269
Jul 1967 41.8 AU72
Dermatophilus congolensis, Dipping, Mycotic dermatitis,
Sheep, Zinc sulphate.

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MOLYBDENUM TOXICITY IN THE DEVELOPING CHICK EMBRYO.
P D Lepore R F Miller H S Siegel
Poultry Sci 41(4):1047-1049, 6 REFS., 3 TABS.
Jul 1962 47.8 AM33P
Chicks, Molybdenum, Poisoning.

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THE USE OF DILUTE TUBERCULINS FOR TESTING CATTLE.
I W Lesslie C N Herbert
Brit Vet J 121(9):427-436, 8 REFS., 4 TABS.
Sep 1965 41.8 V643
Cattle, Tuberculin, Tuberculin test.

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RIF INFECTION IN A COMMERCIAL FLOCK OF CHICKENS.
S Levine D Nelsen
Avian Dis 8(3):358-368, 17 REFS., 5 TABS.
Aug 1964 41.8 AV5
Antibodies, Chickens, Resistance-inducing factor,
Rous sarcoma virus.

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ETIOLOGY AND PREVENTION OF LEGUME BLOAT.
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Diss Abstr Sect B 27 11)03734B
May 1967 Z5055.U49D53
Alfalfa, Bloat, Cattle, Crownvetch coronilla.

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A MERGANSER DIE-OFF ASSOCIATED WITH LARVAL EUSTRONGYLIDES.
L N Locke J B DeWitt C M Menzie J A Kerwin
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Aug 1964 41.8 AV5

Eustrongylides, Larvae, Merganser die-off.

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A T Londero O Fischman
Mycopathol Mycol Appl 32 3), 231-236 REF
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Blastomycosis, Human diseases.

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R Lovell
Brit Vet J 121(9):421-426, 8 REFS.
Sep 1965 41.8 V643
Epidemiology.

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Brit Vet J 121(2):65-75, 11 REFS., 8 TABS.
Feb 1965 41.8 V643
Blackhead, Chickens, Turkeys.

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PERSISTENT DIARRHEA IN COLTS ASSOCIATED WITH ASPERGILLUS FUMIGATUS.
R L Lundvall P F Romberg
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15 Oct 1960 41.8 AM3
Antibiotics, Foals, Fungi, Sulfonamides.

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TIME AND TEMPERATURE OF COMPLEMENT-FIXATION IN THE DIAGNOSIS OF RINDERPEST.
A K MacLeod G R Scott
J Comp Pathol 73(1):89-92, 9 REFS., 4 TABS.
Jan 1963 41.8 J82
Complement fixation, Diagnosis, Rinderpest.

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LIFE CYCLE OF ISOSPORA RIVOLTA GRASSI, 1879) WENYON, 1923 IN THE DOG.
J LeR Mahrt
Diss Abstr Sect B 27 11)04175B-4176B
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Dogs, Immunization, Isospora rivolta.

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Chickens, Growth factors.

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L E Mawdesley-Thomas P R B Noel
Vet Rec 80 22) 658-659
03 Jun 1967 41.8 V641
Cysts, Dogs, Gallbladder, Progesterone.

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BRAIN LESIONS AND VIREMIA STUDIES IN SWINE INFECTED WITH HOG CHOLERA VIRUS OF LOW PATHOGENICITY.
H A McDaniel
Diss Abstr Sect B 27 11)04003B
May 1967 Z5055.U49D53
Brain diseases, Hog cholera virus, Swine, Viremia.

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MODERN TRENDS IN ANIMAL HEALTH AND HUSBANDRY, SOME INFECTIOUS DISEASES OF FREE-LIVING WILDLIFE.
A McDiarmid
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Jun 1965 41.8 V643
Wildlife, Wildlife diseases.

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K A McKay D P Gray
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Aleutian disease, Bacteria, Minks.

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ISOLATION OF THE VIRUS OF INFECTIOUS BOVINE RHINOTRACHEITIS FROM RANGE CATTLE.
D G McKercher O C Straub
Amer Vet Med Ass J 137(11):661-664, 2 REFS.
01 Dec 1960 41.8 AM3
Cattle, Infectious bovine rhinotracheitis virus, Respiratory diseases, Serum.

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OBSERVATIONS ON NEUROLYMPHOMATOSIS IN GAMEFOWL (GALLUS DOMESTICUS).
G S McLean S G Kenzy W J Mathey
Avian Dis 8(3):459-462, 4 REFS.
Aug 1964 41.8 AV5
Gallus domesticus, Game fowl, Neurolymphomatosis.

6090-68
SMALL ANIMAL LITERATURE INDEX.
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J Small Anim Pract 8 4) 239-246
Apr 1967 41.8 J8292
Animal diseases, Indexes, Laboratory animals, Pets.
Classified list of journal articles on diseases and therapy.

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Poultry Sci 41(4):1207-1213, 9 REFS., 2 TABS.
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Chickens, Xanthomatosis.

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CHICK EMBRYO CELLS GROWN IN VITRO IN CONTINUOUS CULTURE.
L V Melendez R P Hanson
Avian Dis 8(3):391-394, 3 REFS.
Aug 1964 41.8 AV5
Chicks, Growth factors.

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THE PATHOGENESIS OF EXPERIMENTAL BOVINE MUCOSAL DISEASE.
J H L Mills
Diss Abstr Sect B 27 11)04003B
May 1967 Z5055.U49D53
Cattle, Mucosal disease, Viremia.

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OCCURRENCE AND SURVIVAL OF SALMONELLA ORGANISMS IN HATCHER CHICK FLUFF FROM COMMERCIAL HATCHERIES.
S Miura G Sato T Miyamae
Avian Dis 8(3):546-554, 7 REFS., 5 TABS.
Nov 1964 41.8 AV5
Chicks, Fluff, Poultry hatcheries, Salmonella bacterins.

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A STUDY OF THE COMPARATIVE PATHOLOGY OF EXPERIMENTAL INFECTIOUS SYNOVITIS AND STAPHYLOCOCCAL ARTHRITIS IN CHICKENS.
P D Moorhead
Diss Abstr Sect B 27 11)04004B
May 1967 Z5055.U49D53
Arthritis, Chickens, Infecticus synovitis, Mycoplasma synoviae, Staphylococcus aureus.

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THE SEROLOGICAL DIAGNOSIS OF BOVINE BRUCELLOSIS.
W J B Morgan
Vet Rec 80 21),612-621, REF.
27 May 1967 41.8 V641
Brucellosis, Cattle, Serodiagnosis.

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A STUDY OF THE MILK PRODUCTION RECORDS IN 71 HERDS UNDER THE SUPERVISION OF THE NEW YORK STATE MASTITIS CONTROL PROGRAM.
G E Morse
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Oct 1961 41.8 C81
Dairy cattle, Mastitis, Milk, New york.

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J E Moulton W P Heuschele B W Sheridan
Cornell Vet 51(3):350-358, 2 FIGS, 21 REFS.
Jul 1961 41.8 C81
Balantidiasis, Balantidium, Capybaras.

6099-68
EFFECTS OF SPIRONOLACTONE ON LAYING PULLETS.
W J Mueller
Poultry Sci 46 3), 742-749, REF
May 1967 47.8 AM33P
Diuresis, Poultry, Spironolactone.

6100-68
STUDIES ON PROTEIN IN ABNORMAL MILK. PART IV. POLAROGRAPHIC PROTEIN WAVE IN NORMAL AND ABNORMAL MILK.
T Nakanishi T Itoh
Agr Biol Chem 29(1):32-37
Jan 1965 385 AG8B
Polarography, Proteins.

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SEROLOGICAL STUDIES ON PASTEURELLA MULTOCIDA. II. CHARACTERISTICS OF SOMATIC (O) ANTIGEN OF THE ORGANISM.
S Namioka M Murata
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Oct 1961 41.8 C81
Antigens, Pasteurella.

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SEROLOGICAL STUDIES ON PASTEURELLA MULTOCIDA III. O ANTIGENIC ANALYSIS OF CULTURES ISOLATED FROM VARIOUS ANIMALS.
S Namioka M Murata
Cornell Vet 51(4):522-528, 5 TABS.
Oct 1961 41.8 C81
Antigens, Pasteurella, Serological tests.

6103-68
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S Namioka M Murata
Cornell Vet 51(4):498-507, 4 TABS.
Oct 1961 41.8 C81
Pasteurella, Serological tests.

6104-68
ARGININE DEFICIENCY IN TWO STRAINS OF CHICKENS SELECTED FOR DIFFERENCES IN DIETARY REQUIREMENTS OF ARGININE.
M C Nesheim D A Christensen D L Arnold
J Nutr 92 3), 365-373 REF
Jul 1967 389.8 J82
Arginine, Deficiency diseases, Diet, Poultry.
Abstract included.

6105-68
DIAGNOSIS OF BOVINE VIBRIOSIS. 1. THE PRODUCTION AND USE OF STANDARD SUSPENSIONS OF VIBRIO FETUS AGGLUTINATING ANTIGEN.
I D B Newsam M J Monsbourgh
Australian Vet J 43 7), 237-242
Jul 1967 41.8 AU72
Cattle, Immunization, Vaccines, Vibriosis.

6106-68
HYPOCALCEMIA IN CATTLE CLINICAL OBSERVATIONS AND CERTAIN ELECTROLYTE SERUM BLOOD VALUES OF DAIRY CATTLE.
Ls Nilsson
Amer Vet Med Ass J 137(12):705-709, 40 REFS.
15 Dec 1960 41.8 AM3
Dairy cows, Hypocalcemia, Paresis, Parturition.

6107-68
A HISTOLOGICAL STUDY OF A PERITONEAL CARCINOMATOSIS IN THE LAYING HEN.
T A Nobel F Neumann M S Dison
Avian Dis 8(3):513-522, 20 REFS., PL.
Nov 1964 41.8 AV5
Animal histology, Carcinomatosis, Chickens, Peritoneum.

6108-68
INFLUENCE OF VITAMIN-A DEFICIENCY ON TESTES, BURSA FABRICIUS, ADRENAL AND HEMATOCRIT IN COCKERELS.
C F Nockels E W Kienholz
J Nutr 92 3), 384-388 REF
Jul 1967 389.8 J82
Deficiency diseases, Poultry, Vitamin A.
Abstract included.

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TRANSMISSION AND ERADICATION OF MYCOPLASMA GALLISEPTICUM IN CHICKENS.
O M Olesiuk H Van Roekel D H Roberts
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May 1967 47.8 AM33P
Mycoplasma gallisepticum, Poultry.

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THE EFFECT OF INTRANASAL EXPOSURE TO MYCOPLASMA SYNOVIAE AND INFECTIOUS BRONCHITIS ON DEVELOPMENT OF AGGLUTININS.
N O Olson H E Adler A J DaMassa R E Corstvet

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Avian Dis 8(3):623-631, 13 REFS.
Nov 1964 41.8 AV5
Antibodies, Birds, Infectious bronchitis,
Intranasal exposure, Mycoplasma synoviae.

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CONTROL OF CHRONIC RESPIRATORY DISEASE. VI. THE EFFECT ON EGG TRANSMISSION OF EARLY EXPOSURE OF CHICKS TO MYCOPLASMA GALLISEPTICUM.
N O Olson J O Heishman C J Cunningham
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May 1964 41.8 AV5
Chicks, Chronic respiratory disease, Egg transmission,
Mycoplasma, Mycoplasma gallisepticum antigens.

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TREATMENT OF INFECTIOUS SINUSITIS IN TURKEYS WITH TYLOSIN TARTRATE.
E E Ose L E Barnes
Amer Vet Med Ass J 137(7): 421-423, 6 REFS.
01 Oct 1960 41.8 AM3
Sinusitis, Turkeys, Tylosin tartrate.

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EVALUATION OF ANTIBIOTIC TREATMENT OF MYCOPLASMA GALLISEPTICUM INFECTION BY THE USE OF CHICKENS AND TURKEYS FROM INFECTED EMBRYOS.
E E Ose R N Berkman R L VanDuyn
Avian Dis 8(3):614-622, 3 REFS., 6 TABS.
Nov 1964 41.8 AV5
Antibiotics, Chickens, Embryos,
Mycoplasma gallisepticum antigens, Turkeys.

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ABORTION OF CATTLE ASSOCIATED WITH NATURAL LISTERIA MONOCYTOBENES INFECTION.
J W Osebold J W Kendrick
Amer Vet Med Ass J 137(4):221-226
15 Aug 1960 41.8 AM3
Abortion, Cattle, Listeriosis.

6115-68
DIETARY VITAMIN A AND SEVERITY OF COCCIDIOSIS IN CHICKENS.
W H Ott A M Dickinson A Van Iderstine
Poultry Sci 41(5):1672
Sep 1962 47.8 AM33P
Chickens, Coccidiosis, Vitamin A.

6116-68
EXPERIMENTAL ULCERATIVE STOMATITIS IN KING SNAKES.
L A Page
Cornell Vet 51(2):258-266, 2 PLS.
Apr 1961 41.8 C81
Aeromonas, Mouth rot, Snakes, Stomatitis.

6117-68
IMMUNOGLOBULINS IN SHEEP.
I Pan
Diss Abstr Sect B 27 11)04004B
May 1967 Z5055.U49D53
Globulins, Immunization, Leptospira pomona, Sheep.

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THE EFFECT OF SODIUM SULFATE ON BLOOD LEVELS OF OXYTETRACYCLINE IN BIRDS.
J C Panisset L G Mathieu
Poultry Sci 46 3), 560-563
May 1967 47.8 AM33P
Oxytetracycline, Poultry, Sodium sulfate.

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ON-THE-FARM STUDIES OF GUMBORO DISEASE IN BROILERS.
R T Parkhurst
Avian Dis 8(3):584-596, 1 REF., 9 TABS.
Nov 1964 41.8 AV5
Chickens, Gumboro disease.

6120-68
PLASMA CELL MYELOMA IN THE BRAIN OF A RABBIT.
R R Pascal
Cornell Vet 51(4):528-535, 3 FIGS.
Oct 1961 41.8 C81
Brain, Neoplasms, Plasma cell myeloma, Rabbits.

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DIAGNOSIS OF FASCIOLIASIS IN CATTLE BY INTRADERMAL ALLERGIC TEST.
B Patnaik K M Das
Cornell Vet 51(1):113-123, 32 REFS., 2 TABS
Jan 1961 41.8 C81



Cattle, Fasciola, Fascioliasis, Intradermal allergic test.

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A PRIMARY PULMONARY NEOPLASM IN THE GOAT.
E G Pearson
Cornell Vet 51(1):13-23, 6 FIGS.
Jan 1961 41.8 C81
Goats, Neoplasms.

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PATHOLOGIC AND IMMUNOLOGIC STUDIES ON FIELD AND EXPERIMENTAL POSTVACCINAL REACTIONS FOLLOWING VACCINATION AGAINST BOVINE VIRUS DIARRHEA.
C P Peter
Diss Abstr Sect B 27 11)04005B
May 1967 Z5055.U49D53
Cattle, Immunization, Rhinotracheitis, Virus diarrhea.

6124-68
3-METHYLCHOLANTHRENE-INDUCED EMBRYONIC DEFORMITIES IN THE CHICK. PREVENTION BY THE ANTIOXIDANT, N,N:-DIPHENYL-P-PHENYLENE DIAMINE dPPD).
D J Pizzarello J G Kloss
Experientia 23 7), 589-590. REF.
15 Jul 1967 475 EX7
Abnormalities, Antioxidants, Carcinogens,
Methylcholanthrene, 3-.

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THE EFFECT OF FEEDING TOXIC GROUNDNUT MEAL TO CHICKENS ON OXIDIZED PYRIDINE NUCLEOTIDES LEVELS OF LIVER AND SERUM.
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Can J Comp Med Vet Sci 29(1):23-27, 22 REFS., 4 TABS.
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Chickens, Peanuts, Poisoning, Pyridine nucleotides.

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TRUE AND PSEUDOHERMAPHRODITISM IN A SWINE HERD.
W G Pond S J Roberts K R Simmons
Cornell Vet 51(3):394-404, 16 REFS., 7 FIGS
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Hermaphroditism, Swine.

6127-68
THE RELATIVE GROWTH STIMULATING EFFECTS OF SEVERAL ANTIBIOTICS ON CHICKS RAISED IN OLD AND NEW BATTERIES.
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Poultry Sci 41(5):1602-1611, 6 REFS., 6 TABS.
Sep 1962 47.8 AM33P
Chicks, Erythromycin, Growth factors, Oleandomycin.

6128-68
FEEDLOT BLOAT ASSOCIATED WITH RUMENITIS AND ESOPHAGITIS.
W D Pounden N A Frank V L Sanger N B King
Amer Vet Med Ass J 137(9):503-506, 8 REFS.
01 Nov 1960 41.8 AM3
Bloat, Calves, Esophagitis, Feedlots, Rumentis.

6129-68
SALMONELLOSIS IN BUFFALO CALVES FOLLOWING VACCINATION.
L B M Prasad M M Ahmad
Brit Vet J 121(6):258-262, 1" REFS., 2 TABS.
Jun 1966 41.8 V643
Buffaloes, Salmonellosis.

6130-68
LIVE VIRUS IMMUNIZING AGENTS.
J E Prier
Amer Vet Med Ass J 137(10):577-584, 61 REFS.
15 Nov 1960 41.8 AM3
Immunization, Preventive medicine, Viral diseases.

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EFFECT OF VENTILATION RATE ON THE RESPONSE OF CHICKS INOCULATED WITH INFECTIOUS BRONCHITIS VIRUS AND HOUSED AT 49 DEGREES F.
R P Prince L D Matterson R E Lugenbuhl T W Chomiak
Poultry Sci 41(5):1512-1516, 4 REFS., 5 TABS.
Sep 1962 47.8 AM33P
Chicks, Infectious bronchitis virus, Temperature.

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F Puchal L J Machlin R S Gordon
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Sep 1962 47.8 AM33P
Avian erythroblastosis virus, Chickens, Diet.

6133-68
INFECTIOUS BRONCHITIS VIRUS INTERFERENCE WITH GROWTH OF NEWCASTLE DISEASE VIRUS. II. INTERFERENCE IN CHICKENS.
L G Raggi G G Lee
Avian Dis 8(3):471-480, 13 REFS., 5 TABS.
Nov 1964 41.8 AV5
Chickens, Infectious bronchitis, Newcastle disease virus.

6134-68
NIDRAPUR IN AIR SAC DISEASE PREVENTION.
T V Raines D B Porter
Poultry Sci 41(5):1675
Sep 1962 47.8 AM33P
Chickens, Chronic respiratory disease, Feed additives.

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THE OCCURRENCE AND SIGNIFICANCE OF BLOOD IN BOVINE MILK.
C G Rammell
J Dairy Res 30(1):1-5, 2 REFS.
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Blood, Cattle, Milk.

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WHY TUBERCULOSIS IN LIVESTOCK IS INCREASING.
A F Ranney
Amer Vet Med Ass J 137(12):723-724
15 Dec 1960 41.8 AM3
Biological warfare, Livestock diseases, Tuberculosis.

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A STUDY OF THE EFFECTS OF HORMONES AND VITAMIN A ON BOVINE TEAT CANAL IN ORGAN CULTURE.
J P Rapp C G Richard
Cornell Vet 51(2):189-200
Apr 1961 41.8 C81
Bormones, Mastitis, Teats, Vitamin A.

6138-68
MEDICATED FEEDS EXPERIMENTS WITH A MIXTURE OF ANTIBIOTICS AND SULFAMIDES FOR THE CONTROL OF THE WEANING DISEASES OF TBE BABY PIG. )FR (
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Oxytetracycline, Sulfonamides, Swine, Weaning.
English, French and Spanish summaries.

6139-68
INFECTION WITH TBE TAPEWORM RAILLIETINA CESTICILLUS IN GEORGIA POULTRY FLOCKS.
W M Reid R L Kemp A K Prestwood
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Aug 1964 41.8 AV5
Cestoda, Georgia, Poultry.

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B J Reinhard
Kans Entomol Soc J 37(1):35-51
Jan 1964 420 K13
Cephaloplagia, Cochisemyia, Enrogalia, Heliodorus, Insect anatomy, Nearchus, North America, Palilogia, Proselenus, Tachinidae, Tarassophorus.

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PATHOGENESIS AND CYTOCHEMISTRY OF VIRUS-INDUCED NUCLEAR INCIUSION BODIES.
H A Reynolds
Diss Abstr Sect B 27 11)04005B-4006B
May 1967 Z5055.U49D53
Biochemistry, Cattle, Cell nucleus, Chick embryos, Infectious bovine rhinotracheitis virus, Infectious laryngotracheitis virus, Tissue culture.

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THE MICROSCOPIC LESIONS OF ACUTE FOWL CHOLERA IN MATURE CBICKENS.
K R Rhoades
Avian Dis 8(3):658-665, 10 REFS., PL.
Nov 1964 41.8 AV5
Chickens, Fowl cholera, Hyperemia, Microscopy.

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A CANINE ACETABULAR INDEX.
W H Rhodes J Jenny
Amer Vet Med Ass J 137(2):97-100, 8 REFS.
15 Jul 1960 41.8 AM3
Dogs, Radiography.

6144-68
A LONG-TERM STUDY OF RENAL DISEASE IN THE DOG.
M A Richards C M Hoe
Vet Rec 80 22)0640-646, REF.
03 Jun 1967 41.8 V641
Blood, Dogs, Kidneys, Livestock diseases, Nephritis, Urea.

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COLIFORM ENTERITIS OF WEANED PIGS A DESCRIPTION OF THE DISEASE AND ITS ASSOCIATION WITH HEMOLYTIC ESCHERICHIA COLI.
W P C Richards C M Fraser
Cornell Vet 51(2):245-257, 2 TABS., 1 PLS.
Apr 1961 41.8 C81
Coliform enteritis, Enteritis, Escherichia, Swine.

6146-68
A VIRAL ENCEPHACOMYELITIS OF PIGS, FURTHUR STUDIES ON THE TRANSMITTABILITY OF THE DISEASE IN ONTARIO.
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Apr 1961 41.8 C81
Animal disease transmission, Ontario, Swine, Teschen disease.

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RESEARCH NOTE. A COMPARISON OF SERUM DILUTION TECHNIQUES FOR THE TUBE HEMAGGLUTINATION-INHIBITION (HI) TEST.
D J Richey
Avian Dis 8(3):462-464, 3 REFS.
Aug 1964 41.8 AV5
Hemagglutination-inhibition test, Newcastle disease virus antigen, Serum, Virus dilutions.

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AMYLOID IN THE LIVER OF DUCKS.
R H Rigdon
Poultry Sci 46 3), 698-705, REF
May 1967 47.8 AM33P
Amyloidosis, Ducks.

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CERTAIN IMPORTANT ANIMAL DISEASES IN GREAT BRITAIN.
J N Ritchie
Amer Vet Med Ass J 137(2):101-105
15 Jul 1960 41.8 AM3
Animal diseases, Great britain.

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ISOLATION OF NONINFECTIOUS PARTICLES CONTAINING ROUS SARCOMA VIRUS RNA FROM THE MEDIUM OF ROUS SARCOMA VIRUS-TRANSFORMED NONPRODUCER CELLS.
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Cells, RNA , Rous sarcoma virus.

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RHABDOMYOMATOSIS IN THE HEART OF THE GUINEA PIG.
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Cornell Vet 51(3):388-394, 14 REFS., 5 PLS.
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Guinea pigs, Myocardium, Rhabdomyomatosis.

6152-68
AN UNORTHODOX APPROACH TO PIGLET SCOURS.
P G M Rowntree
Vet Rec 80 23)0687
10 Jun 1967 41.8 V641
Baby pigs, Escherichia coli, Livestock diseases, Scours.

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MODERN TRENDS: PREVENTIVE MEDICINE - MODERN MANAGEMENT.
D W B Sainsbury
Brit Vet J 121(9):387-391, 8 REFS.
Sep 1965 41.8 V643
Animal husbandry, Preventive medicine.

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EXPERIMENTAL INTESTINAL HISTOPLASMOSIS OF HAMSTERS.
K Salfelder K K Sethi
Mycopathol Mycol Appl 32 2), 153-162 REF
13 Jul 1967 450 M994
Hamsters, Histoplasma capsulatum, Intestinal histoplasmosis.

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LEPTOSPIRA POMONA INFECTION IN HAMSTERS.
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Cornell Vet 51(4):489-498, 26 REFS., 8 FIGS
Oct 1961 41.8 C81
Hamsters, Leptospira.

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EFFECTS OF A STANDARDIZED SENNA PREPARATION GIVEN TO PIGS: A PRELIMINARY REPORT.
H F Sassoon
Brit Vet J 121(4):171-182, 28 REFS., 3 TABS.
Apr 1965 41.8 V643
Cassia, Cathartics, Swine.

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PULMONARY ACARIASIS IN A TASMANIAN FUR SEAL.
A A Seawright
J Comp Pathol 74(1):97-100, PL.
Jan 1964 41.8 J82
Acariasis, Gypsophoca, Orthohalarache, Seals (animals).

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AVIAN LYMPHOMATOSIS. VI. A VIRUS OF UNUSUAL POTENCY AND PATHOGENICITY.
M Sevoian R N Larose D M Chamberlain
Avian Dis 8(3):336-347, 9 REFS., 3 PL.
Aug 1964 41.8 AV5
Avian lymphomatosis, Chickens.

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M Sevoian D M Chamberlain
Avian Dis 8(2):281
May 1964 41.8 AV5
Avian lymphomatosis, Chickens, Pathogenesis.

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EXPERIMENTAL EVALUATION OF CULTURE AND SERUM VACCINATION FOR THE CONTROL OF SWINE ERYSIPELAS VI. VACCINATION OF WEANLING PIGS FARROWED BY SUSCEPTIBLE AND IMMUNE DAMS.
R D Shuman
Amer Vet Med Ass J 137(8):468-472, 11 REFS.
15 Oct 1960 41.8 AM3
Baby pigs, Erysipelas bacterins, Immunization, Swine, Weaning.

6161-68
EXPERIMENTAL EVALUATION OF CULTURE AND SERUM VACCINATION FOR THE CONTROL OF SWINE ERYSIPELAS. VIII. FURTHER OBSERVATIONS ON SERUM POTENCY WITH RELATICN TO IMMUNIZATION OF WEANLING PIGS.
R D Shuman
Amer Vet Med Ass J 137(10): 606-610, 3 REFS.
15 Nov 1960 41.8 AM3
Baby pigs, Erysipelas bacterins, Immunization, Serum, Swine, Weaning.

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RELATIONSHIP OF DIETARY CALCIUM AND PHOSPHORUS LEVELS TO THE CAGE LAYER FATIGUE SYNDROME.
C F Simpson P W Waldroup C B Ammerman R H Harms
Avian Dis 8(1):92-100
Feb 1964 41.8 AV5
Cage layer fatigue, Calcium, Deficiency diseases, Fatigue (physiological), Phosphorus.

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THE NATURE OF THE WIDESPECTRUM ANTIBIOTIC PRODUCED BY PATHOGENIC STRAINS OF PSEUDOMONAS SYRINGAE AND ITS ROLE IN THE BACTERIAL CANKER DISEASE OF PRUNUS PERSICAE.
S L Sinden
Diss Abstr Sect B 27 11)04048B
May 1967 Z5055.U49D53
Bacterial canker peaches), Geotricum candidum, Peaches, Pseudomonas syringae, Syringomycin, Toxins.

6164-68
INTERRELATIONSHIPS BETWEEN ANTIBIOTICS AND TEREPHTHALIC ACID IN DIETS FOR LAYING HENS.
S J Slinger W F Pepper I R Sibbald
Poultry Sci 41(4):1241-1247, 14 REFS., 6 TABS.
Jul 1962 47.8 AM33P
Antibiotics, Chickens, Terephthalic acid.

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OBSERVATION ON THE EFFECT OF VITAMIN AND ANTIBIOTIC INJECTIONS ON EARLY TURKEY POULT GROWTH AND MORTALITY.
D C Snetsinger P E Waibel F J Siccardi B S Pomeroy
Poultry Sci 41(5):1684
Sep 1962 47.8 AM33P
Antibiotics, Mortality, Poults, Vitamin B complex.

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AN ATTEMPT TO PRODUCE RESISTANCE TO HOMIDIUM IN A STRAIN OF TRYPANOSOMA VIVAX TRANSMITTED BY TSETSE FLIES.
L E Stephan
J Comp Pathol 73(1):76-83, 6 REFS., 2 TABS.
Jan 1963 41.8 J82
Cattle, Glossina, Homidium bromide, Trypanosomiasis.

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AN UNORTHODOX APPROACH TO PIGLET SCOURS.
A J Stevens P W Blackburn
Vet Rec 80 21) 637-638
27 May 1967 41.8 V641
Baby pigs, Escherichia coli, Scours, Swine.
Dosing pregnant sows with Escherichia coli just before they farrow.

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PATHOLOGY OF PNEUMONIA IN INTENSIVELY-REARED CALVES.
R G Stevenson
J Comp Pathol 77 3), 263-269. REF.
Jul 1967 41.8 J82
Cattle, Pneumonia.

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INDIRECT HEMAGGLUTINATION TEST FOR CHICKENS INFECTED ARTIFICIALLY WITH ESCHERICHIA COLI.
L Stipkovits
Avian Dis 8(3):637-648, 16 REFS.
Nov 1964 41.8 AV5
Agglutination, Chickens, Escherichia coli bacterin, Hemagglutination.

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THE ISOLATION OF A VIRAL AGENT FROM EPIZOOTIC BOVINE ABORTION.
J Storz D G McKercher J A Howarth O C Straub
Amer Vet Med Ass J 137(9):509-514, 17 REFS.
01 Nov 1960 41.8 AM3
Abortion, Cattle, Epizootic diseases, Miyagawanella group viruses.

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THE NUTRITIONAL VALUE OF D-AMINO ACID IN CHICK NUTRITION.
M Sugahara T Morimoto T Kobayashi S Ariyoshi
Agr Biol Chem 31 1),77-84
Jan 1967 385 AG8B
Amino acids, d-, Animal nutrition, Chicks, Deficiency diseases.

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Agr Biol Chem 31 1) 106-110, REF.
Jan 1967 385 AG8B
Animal nutrition, Chicks, Deficiency diseases, Glycine, Proline.

6173-68
CUTANEOUS ANTHRAX.
L Taylor R W Carslaw
Lancet 1 7501), 1214-1216
03 Jun 1967 448.8 L22
Bonemeal, Cutaneous anthrax, Human diseases.
In men handling bonemeal fertilizers in Scotland.

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AN EFFECT OF SOME COD LIVER OILS IN FEED ON LYMPHOCYTOMA INCIDENCE.
S Tekeli
Avian Dis 8(3):403-411, 14 REFS.
Aug 1964 41.8 AV5
Chickens, Cod liver oil, Lymphocytoma, Stearin.

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THE PATHOGENICITY FOR LAMBS OF ESCHERICHIA COLI OF CERTAIN SEROTYPES.
S Terlecki W J Sojka
Brit Vet J 121(10):462-470, 14 REFS., 2 TABS.
Oct 1965 41.8 V643
Escherichia coli bacterin, Lambs.

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DIAGNOSIS OF AVIAN VIBRIONIC HEPATITIS IN SAN DIEGO COUNTY, CALIFORNIA.
D J Thackrey H C Johnstone
Avian Dis 8(2):310-312
May 1964 41.8 AV5
California, Chickens.

6177-68
THE INFLUENCE OF DIETARY ASCORBIC ACID ON THE SEVERITY OF BETA-AMINOPROPIONITRILE (BAPN) TOXICITY IN TURKEYS.
P A Thornton D Brownrigg F B Mather
Poultry Sci 41(5):1586-1589, 12 REFS., 5 TABS.
Sep 1962 47.8 AM33P
Aneurysms, Turkeys.

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THE INFLUENCE OF SOIL TYPE ON THE EFFECTIVENESS OF SINGLE DRESSINGS OF MAGNESIA IN RAISING PASTURE MAGNESIA CONTENT AND IN CONTROLLING HYPOMAGNESIA.
J R Todd
Brit Vet J 121(8):371-380, 14 REFS., 4 TABS.
Aug 1965 41.8 V643
Cattle, Soil series.

6179-68
STUDIES ON CHRONIC COPPER POISONING. IV. BIOCHEMISTRY OF THE TOXIC SYNDROME IN THE CALF.
J R Todd R H Thompson
Brit Vet J 121(2):90-97, 22 REFS., 7 TABS.
Feb 1965 41.8 V643
Calves, Copper sulfate, Poisoning.

6180-68
AORTIC RUPTURE IN TURKEYS USED IN STUDIES WITH CANDIDA ALBICANS.
S B Tripathy S G Kenzy W J Mathey
Avian Dis 8(3):454-459, 8 REFS., PL.
Aug 1964 41.8 AV5
Aortic rupture, Candida albicans, Sciatic artery rupture, Turkeys.

6181-68
A BACTERIAL AGENT CAUSING BLUECOMB DISEASE IN TURKEYS. II. TRANSMISSION AND STUDIES OF ETIOLOGICAL AGENT.
R B Truscott E W Morin
Avian Dis 8(1):27-35
Feb 1964 41.8 AV5
Bacterial diseases (animals), Blue comb, Turkeys, Vibrio.

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EXPERIMENTAL LEPTOSPIROSIS IN THE CHINCHILLA (CHINCHILLA LANIGER).
L W Turner
Cornell Vet 51(3):420-430, 16 REFS.
Jul 1961 41.8 C81
Chinchilla, Leptospirosis.

6183-68
AN EFFORT TO IDENTIFY RABIES IN BATS FROM NORTHWESTERN ILLINOIS.
B J Verts T R B Barr
Cornell Vet 51(3):384-388, 15 REFS.
Jul 1961 41.8 C81
Bats, Illinois, Rabies.

6184-68
OBSERVATIONS ON TUBERCULIN SENSITIVITY IN CATTLE IN KENYA.
F G Waddington
Brit Vet J 121(7):319-331, 2 REFS., 5 TABS.
Jul 1965 41.8 V643
Cattle, Tuberculosis.

6185-68
THE EXPERIMENTAL INOCULATION OF HEIFERS WITH VIBRIO FETUS OF OVINE ORIGIN.
W C Wagner K McEntee H L Gilman
Cornell Vet 51(3):441-450
Jul 1961 41.8 C81
Cattle, Immunization, Metritis, Vibrio.

6186-68
INFLUENCE OF RESERPINE AND ANTIBIOTICS ON INCIDENCE OF DISSECTING ANEURYSM IN TURKEYS AS INDUCED BY BETA-AMINOPROPIONITRILE.
B E Waibel R E Burger L M Krista
Poultry Sci 41(5):1554-1559, 12 REFS., 4 TABS.
Sep 1962 47.8 AM33P
Aneurysms, Turkeys.

6187-68
INFLUENCE OF RESERPINE AND ANTIBIOTICS ON GROWTH AND ON BETA-PROPIONITRILE-INDUCED DISSECTING ANEURYSMS IN TURKEYS.
B E Waibel R E Burger L M Krista
Poultry Sci 41(5):1690-1691
Sep 1962 47.8 AM33P
Aneurysms, Growth factors, Poults.

6188-68
THE RELATIONSHIP BETWEEN MILK YIELD, COMPOSITION AND TISSUE DAMAGE IN A CASE OF SUBCLINICAL MASTITIS.
R Waite P S Blackburn
J Dairy Res 30(1):23-33, 13 REFS.
Feb 1963 44.8 J823
Bacteria, Dairy cows, Mastitis, Milk.

6189-68
THE USE OF QUARTER SAMPLES IN THE ASSESSMENT OF THE EFFECTS OF FEEDING TREATMENTS ON MILK COMPOSITION.
R Waite J Abbot P S Blackburn
J Dairy Res 30(2):209-215, 6 REFS.
Jun 1963 44.8 J823
Cattle, Feeding, Mastitis, Milk.

6190-68
SURVEY OF CANINE FILARIASIS IN A MARYLAND AREA - INCIDENCE OF DIROFILARIA IMMITIS AND DIPETALONEMA.
W L Wallenstein B J Tibola
Amer Vet Med Ass J 137(12):712-716, 7 REFS.
15 Dec 1960 41.8 AM3
Blood, Dogs, Filariasis.

6191-68
CYTOPATHOLOGIC CHANGES IN TISSUE CULTURE INFECTED WITH AVIAN LARYNGOTRACHEITIS VIRUS.
A M Watrach L E Hanson
Poultry Sci 41(5):1692-1693
Sep 1962 47.8 AM33P
Infectious laryngotracheitis, Tissue culture.

6192-68
THE REGENERATIVE CAPACITY OF NERVES AFFECTED BY FOWL PARALYSIS.
P A L Wight
Brit Vet J 121(6):278-281, 10 REFS.
Jun 1965 41.8 V643
Avian lymphomatosis, Leghorn chickens.

6193-68
SOME EFFECTS OF FEEDING GELSEMIUM SEMPERVIRENS (YELLOW JESSAMINE) TO YOUNG CHICKENS AND TURKEYS.
J H Williamson F R Craig C W Barber F W Cook
Avian Dis 8(2):183-190
May 1964 41.8 AV5
Chickens, Gelsemium sempervirens, Turkeys, Yellow jessamine.

6194-68
THE REVERSIBILITY OF NUTRITIONAL OSTEITIS FIBROSA.
P C Wing
Diss Abstr Sect B 27 11)03735B
May 1967 Z5055.U49D53
Cats, Deficiency diseases, Osteitis.

6195-68
IMMUNOLOGICAL CHARACTERISTICS OF A VARIANT OF INFECTIOUS BRONCHITIS VIRUS ISOLATED FROM CHICKENS.
R W Winterfield S B Hitchner G S Appleton
Avian Dis 8(1):40-47, TABS.
Feb 1964 41.8 AV5
Chickens, Infectious bronchitis, Virus diseases (animals).

6196-68
SEROLOGICAL STUDY OF AUSTRALIAN CHICKENS AFFECTED WITH A UREMIA DISEASE SYNDROME.
R W Winterfield R B Cumming S B Hitchner
Avian Dis 8(2):234-244, TABS.
May 1964 41.8 AV5
Australia, Chickens, Infectious bronchitis, Uremia.

6197-68
PATHOGENICITY TO CHICKS OF MYCOPLASMA ASSOCIATED WITH TURKEY AIRSACCULITIS.
R Yamamoto C H Bigland
Avian Dis 8(3):523-531, 18 REFS.
Nov 1964 41.8 AV5
Air saculitis, Mycoplasma,
Mycoplasma gallisepticum antigens, Turkeys.

6198-68
MUCINOUS BRONCHIOLAR CARCINOMA OF THE RAT LUNG. A CASE REPORT.
Y H Yang H C Grice
Can J Comp Med Vet Sci 29(1):15-17, 8 REFS.
Jan 1965 41.8 C162
Carcinoma, Dinitrobiphenyl, 2,2-, Lungs, Rats.

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6199-68
CHARACTERISTICS OF AVIAN MYCOPLASMA.
H W Yoder Jr M S Hofstad
Avian Dis 8(3):481-512, 45 REFS., PL.
Nov 1964 41.8 AV5
Avian mycoplasma, Chickens, Partridges, Pigeons, Turkeys.

6200-68
PILO OTHER THAN MYCOPLASMA GALLISEPTICUM ASSOCIATED WITH TURKEY SINUS AND AIR SAC LESIONS.
H W Yoder Jr M S Hofstad
Poultry Sci 41(5):1696
Sep 1962 47.8 AM33P
Mycoplasma gallisepticum antigens, Poults, Sinusitis.

6201-68
THE ISOLATION OF DESOXYCHOLATE-SENSITIVE STRAINS OF SALMONELLA PULLORUM FROM CHICKENS IN A NATURALLY INFECTED FLOCK.
I Yoshida S Sato
Avian Dis 8(3):394-402, 8 REFS., 4 TABS.
Aug 1964 41.8 AV5
Chickens, Desoxycholate, Salmonella.

6202-68
CERTIFICATION OF SWINE HERDS AS VIRUS PNEUMONIA-FREE.
G A Young N R Underdahl
Amer Vet Med Ass J 137(3):186-189, 6 REFS.
01 Aug 1960 41.8 AM3
Swine, Virus pneumonia.

6203-68
VETERINARY GENETICS.
G B Young
Brit Vet J 121(9):414-420, 76 REFS.
Sep 1965 41.8 V643
Animal genetics, Veterinary medicine.

6204-68
NEOPLASMS OF THE OLFACTORY MUCOUS MEMBRANE OF SHEEP.
S Young S A Lovelace W W Hawkins J E Catlin
Cornell Vet 51(1):96-112, 9 FIGS.
Jan 1967 41.8 C81
Neoplasms, Sheep.

6205-68
CELLULAR PATHOGENESIS OF VESICULAR EXANTHEMA OF SWINE VIRUS.
Y C Zee
Diss Abstr Sect B 27 11)04006B-4007B
May 1967 Z5055.U49D53
Antigens, Cells.

6206-68
NONINTERFERENCE WITH IMMUNITY BY A TRIVALENT VACCINE CONTAINING DISTEMPER VIRUS, INFECTIOUS CANINE HEPATITIS VIRUS, AND LEPTOSPIRA CANICOLA.
F Zuschek N Jungk D King W M Swangard
Cornell Vet 51(1):68-76, 4 FIGS., 2 TABS.
Jan 1961 41.8 C81
Canine distemper, Immunization,
Infectious canine hepatitis virus, Leptospira, Vaccines.

## Arthropods

6207-68
KILLING TEXAS SCREW WORMS FROM THE AIR.
Aerial Appl 1(4):9,14-15
Sep 1963 333.8 AE8
Aerial insect control, Biological control (insects),
Castration, Cochliomyia, Insect dissemination, Livestock,
Southwestern United States, Texas, X-rays.

6208-68
SYSTEMIC INSECTICIDES FOR THE CONTROL OF CATTLE GRUBS, HYPODERMA LINEATUM DEVILLERS) AND HYPODERMA BOVIS L.).
D H Brannon
Diss Abstr Sect B 27 11)03978B
May 1967 Z5055.U49D53
Butyl-2-chlorophenyl methyl methylphosphoramidate, 4-tert-,
Cattle, Coumaphos, Famphur, Fenthion, Hypoderma bovis,
Hypoderma lineatum, Ronnel, Trichlorfon.

6209-68
EFFECTS OF LIMB DISABILITY ON LOUSINESS IN MICE. IV. EVIDENCE OF GENETIC FACTORS IN SUSCEPTIBILITY TO POLYPLAX SERRATA.
C M Clifford J F Bell G J Moore G Raymond
Exp Parasitol 20 1)056-67
Feb 1967 436.8 EX7
Animal diseases, Anoplura, Extremities, Mice, Parasitism,
Polyplax serrata.

6210-68
THE ECOLOGY OF THE TICK IXODES TRIANGULICEPS BIRULA ARACHNIDAO ACARINAO IXCDOIDEA).
M J Cotton C H S Watts
Parasitology 57 3), 525-531
Aug 1967 448.8 P21
Field mice, Ixodes triangulíceps, Parasitism.

6211-68
THE IMPORTANCE OF THE BERLESE TECHNIQUE IN STUDYING ECTOPARASITE POPULATIONS UPON RODENT HOSTS.
R J Elzinga
Kans Entomol Soc J 37(1):52-56, 12 REFS.
Jan 1964 420 K13
Berlese funnel, Cheyletus, Dermacentor, Euschongastia,
Haemolaelaps, Hirstionyssus, Ischyropoda, Ixodes, Kleemania,
Labidophorus, Listrophorus, Myocoptes, Oppia, Parasitidae,
Radfordia, Wildlife.

6212-68
A NEW SPECIES OF MALLOPHAGA FROM MALAYA.
K C Emerson
Kans Entomol Soc J 37(1):4-5, 1 REF.
Jan 1964 420 K13
Felicola, Malaya, Wildlife.

6213-68
FIELD TRIALS OF PROTHIDIUM AS A PROPHYLACTIC IN CATTLE TRYPANOSMIASIS.
C N Lyttle
J Comp Pathol 70(1):18-35, 8 TABS.
Jan 1960 41.8 J82
Cattle, Glossina, Prothidium, Trypanosomiasis.

6214-68
A NEW SPECIES OF FALCOMENOPON (MALLOPHAGA: MENOPONIDAE).
R D Price
Kans Entomol Soc J 38(3):319-320, 2 REFS.
Jul 1965 420 K13
Birds, Falcomenopon, Microhierax, Wildlife.

6215-68
A NEW SPECIES OF COLPOCEPHALUM (MALLOPHAGA: MENOPONIDAE) FROM THE OWL PHODILUS BADIUS.
R D Price
Kans Entomol Soc J 37(3):210-212, 1 REF.
Jul 1964 420 K13
Colpocephalum, Mallophaga, Wildlife.

6216-68
EFFECTS OF SOIL TYPE, MOISTURE LEVEL, AND TEMPERATURE ON LARVAL AND PUPAL STAGES OF THE COMMON CATTLE GRUB, HYPODERMA LINEATUM.
J S Simco J L Lancaster Jr
Kans Entomol Soc J
37(1):11-20, 7 REFS., 4 TABS., 12 FIGS, 1 PL.
Jan 1964 420 K13
Cattle, Humidity, Hypoderma, Insect temperature,
Soil series.

6217-68
A NEW SPECIES OF PLEGADIPHILUS (MALLOPHAGA: MENOPONIDAE).
D W Tuff
Kans Entomol Soc J 38(3):233-235
Jul 1965 420 K13
Birds, Plegadiphilus.

6218-68
PULEX SIMULANS AND P. IRRITANS ON DOGS IN HAWAII SIPHONAPTERAO PULICIDAE).
J Med Entomol 4 1)025-30, REF.
25 Apr 1967 421 J828
Dogs, Pulex irritans, Pulex simulans, Pulicidae.

# Parasites

6219-68
TBE CONTROL OF HEMINTBIASIS IN RUMINANTS.
J Armour G M Urquhart
Brit Vet J 121(9):392-397, 21 REFS.
Sep 1965 41.8 V643
Cattle, Helminthiasis, Sheep.

6220-68
ZOONOSES IN IRAQ: FURTHER STUDIES ON SPIROCERCIASIS.
B B Babero A B Fawzi M Al-Dabagh
Brit Vet J 121(4):183-190, 18 REFS., 2 TABS.
Apr 1965 41.8 V643
Dogs, Nematodiasis.

6221-68
EFFICACY OF BUQUINOLATE AGAINST SIX SPECIES OF COCCIDIA.
R N Brewer W M Reid
Poultry Sci 46 3), 642-646, REF
May 1967 47.8 AM33P
Buquinolate, Coccidiosis, Eimeria, Poultry.

6222-68
RESISTANCE TO BBC IN THE CATTLE TICK BOOPBILUS MICROPLUS (CAN.) IN INDIA.
R P Chaudhuri R C Naithani
Bull Entomol Res 55(3):405-410, 5 REFS., 5 TABS.
Dec 1964 421 B87
Arsenic, Benzene hexachloride, Boophilus, DDT , Toxaphene.

6223-68
THE COMPLEMENT FIXING ANTIBODY RESPONSE OF CALVES TO DICTYOCAULUS VIVIPARUS. I. EXPOSURE TO NATURAL AND EXPERIMENTAL INFECTION.
R L Cornwell J F Michel
J Comp Pathol 70(1):482-493, 9 FIGS.
Jan 1960 41.8 J82
Antibodies, Calves, Dictyocaulus.

6224-68
THE COMPLEMENT FIXING ANTIBODY RESPONSE OF CALVES TO DICTYOCAULUS VIVIPARUS. II. VACCINATION WITH IRRADIATED LARVAE.
R L Cornwell
J Comp Pathol 70(1):494-498
Jan 1960 41.8 J82
Calves, Dictyocaulus, Vaccines.

6225-68
A NEW MALARIAL PARASITE OF TBE FLYING SQUIRREL.
B Dasgupta
Parasitology 57 3), 467-474
Aug 1967 448.8 P21
Malaria, Parasitism, Rayella rayi, Squirrels.
Description of new genus, Rayella rayi

6226-68
SOME RELATIONSBIPS BETWEEN TRICHOSTRONGYLID INFESTATION AND COBALT STATUS IN LAMBS HAEMONCHUS CONTORTUS INFESTATION.
N E Downey
Brit Vet J 121(8):362-370, 19 REFS., 3 TABS.
Aug 1965 41.8 V643
Cobalt, Deficiency diseases, Germ-free life, Haemonchosis, Lambs.

6227-68
EFFICACY OF CYANACETHYDRAZIDE AGENT AGAINST SWINE LUNGWORMS.
S A Ewing A C Todd R S Dorney
Amer Vet Med Ass J 137(11):654-657, 8 REFS.
01 Dec 1960 41.8 AM3
Cyanacethydrazide, Metastrongylus, Swine.

6228-68
THE ECOLOGY OF TBE FREE-LIVING STAGES OF TRICHOSTRONGYLUS COLUBRIFORMIS.
T E Gibson G Everett
Parasitology 57 3), 533-547
Aug 1967 448.8 P21
Ecology, Parasitism, Sheep, Trichostrongylus colubriformis.

6229-68
THE DISTRIBUTION OF C14 IN THE CHICK FOLLOWING TBE ADMINISTRATION OF BUQUINOLATE-3-C14.
K J Herrett C W Williams G M Klein J P Beotis
Poultry Sci 46 3), 755-761
May 1967 47.8 AM33P
Buquinolate, Coccidiostats, C14, Pesticide residues, Poultry.

6230-68
THE GROWTH OF AEROBIC SPORE FORMING BACILLI IN STERILIZED MILK.
C Higginbottom M M Taylor
J Dairy Res 27:221-234, 14 REFS.
1960 44.8 J823
Bacillus, Milk.

6231-68
ANTIGENIC ANALYSIS OF A METAZOAN PARASITE, TOXOCARA CANIS. I. EXTRACTION AND ASSAY OF ANTIGENS.
E L Jeska
Exp Parasitol 20 1)038-50, REF.
Feb 1967 436.8 EX7
Antigens, Biological assay, Diffusion, Dogs, Electrophoresis, Gels, Belminthiasis, Hemagglutination, Toxocara canis.

6232-68
INDUCTION OF IMMUNOLOGICAL TOLERANCE IN RATS TO NIPPOSTRONGYLUS BRASILIENSIS INFECTION.
T Kassai I D Aitken
Parasitology 57 3), 403-418 REF
Aug 1967 448.8 P21
Immunity, Nippostrongylus brasiliensis, Rats.

6233-68
EXPERIMENTS ON HOST-FINDING AND HOST-SPECIFICITY IN THE MONOGENEAN SKIN PARASITE ENTOBDELLA SOLEAE.
G C Kearn
Parasitology 57 3), 585-605 REF
Aug 1967 448.8 P21
Entobdella soleae, Fish, Host specificity, Parasitism.

6234-68
REMOVAL OF SYNGAMUS TRACHEA, GAPEWORM, FROM PHEASANTS WITH SUBCUTANEOUSLY INJECTED DISOPBENOL.
G W Kelley
Poultry Sci 41(4):1358-1360, 2 REFS.
Jul 1962 47.8 AM33P
Anthelmintics, Pheasants, Syngamus trachea.

6235-68
STUDIES ON EIMERIA MIVATI IN CHICKENS AND A COMPARISON WITB EIMERIA ACERVULINA.
P L Long
J Comp Pathol 77 3), 315-325. REF.
Jul 1967 41.8 J82
Coccidiosis, Eimeria acervulina, Eimeria mivati, Poultry.

6236-68
COMPARISON OF BEMOGLOBINS OF FASCIOLA GIGANTICA TREMATODAO DIGENEA) AND ITS HOST.
P L Lutz A B Siddiqi
Exp Parasitol 20 1) 83-87, REF.
Feb 1967 436.8 EX7
Cattle, Fasciola gigantica, Hemoglobin, Parasitism.

6237-68
BOVINE BABESIOSIS. THE IMMUNIZATION OF CATTLE WITH KILLED BABESIA ARGENTINA.
D F Mahoney
Exp Parasitol 20 1)0125-129
Feb 1967 436.8 EX7
Babesia argentina, Cattle, Immunization, Piroplasmosis, Protozoal vaccines.

6238-68
THE CAT FLEA, CTENOCEPHALIDES FELIS FELIS BOUCHE, 1835) AS AN INTERMEDIATE HOST FOR CESTODES.
A G Marshall
Parasitology 57 3), 419-430 REF
Aug 1967 448.8 P21
Cestoda, Correlation, Ctenocephalides felis felis, Host specificity.
Correlations between host and parasite developmental patterns and effects of parasitism upon the host.

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6239-68
THE EFFECT OF UDDER INFECTIONS ON THE LACTATION YIELD OF MILK AND MILK SOLIDS.
J O Donovan F H Dood F K Neave
J Dairy Res 27:115-120, 9 REFS.
1960 44.8 J823
Dairy cattle, Milk, Staphylococcus.

6240-68
EFFICACY STUDIES ON METICLORPINDOL AS A COCCIDIOSTAT.
W M Reid R N Brewer
Poultry Sci 46 3), 638-642, REF
May 1967 47.8 AM33P
Coccidiosis, Coccidiostats, Eimeria, Meticlorpindol, Poultry.

6241-68
ECOLOGICAL OBSERVATIONS AND LABORATORY EXPERIMENTS ON THE FREE-LIVING STAGES CF COOPERIA ONCHOPHORA.
J H Rose
J Comp Pathol 73(3):285-296, 8 TABS., 6 FIGS.
Jul 1963 41.8 J82
Cattle, Cooperia, Gastroenteritis, Growth factors.

6242-68
IMMUNITY TO EIMERIA TENELLA AND EIMERIA NECATRIX INFECTIONS IN THE FOWL. I. INFLUENCE OF THE SITE OF INFECTION AND THE STAGE OF THE PARASITE. II. CROSS-PROTECTION.
M E Rose
Parasitology 57 3), 567-583 REF
Aug 1967 448.8 P21
Eimeria necatrix, Eimeria tenella, Immunity, Parasitism, Poultry.

6243-68
EFFECTS OF FEEDING HYGROMIX CN GROWTH, FEED CONVERSION AND THE ANTHELMINTIC ACTION ON ASCARIDA GALLI AND HETERAKIS GALLINARUM ROUNDWORMS OF PCULTRY.
P E Sanford E G Davis M F Hansen
Poultry Sci 41(5):1679
Sep 1962 47.8 AM33P
Anthelmintics, Ascaris, Chickens.

6244-68
STUDIES OF BABESIA GIBSONI (PATTON, 1910) INFECTIONS IN THE DOG.
P Seneviratna
Brit Vet J 121(6):263-271, 10 REFS., 3 TABS.
Jun 1965 41.8 V643
Arsenic compounds, Dogs, Piroplasmosis.

6245-68
CANINE PARAGONIMIASIS IN ARKANSAS.
T R Short T D Hendrickson
Amer Vet Med Ass J 137(7): 417-419, 6 REFS.
01 Oct 1960 41.8 AM3
Cysts, Dogs, Man, Paragonimiasis, Paragonimus.

6246-68
IRON METABOLISM IN OVINE FASCIOLIASIS.
K B Sinclair
Brit Vet J 121(10):451-461, 9 REFS., 2 TABS.
Oct 1965 41.8 V643
Fascioliasis, Sheep.

6247-68
STUDIES ON SCHISTOCEPHALUS SOLIDUS. 4. THE EFFECT OF TEMPERATURE ON GROWTH AND MATURATION IN VITRO.
D P Sinha C A Hopkins
Parasitology 57 3),555-566
Aug 1967 448.8 P21
Fish, Parasitism, Schistocephalus solidus.

6248-68
STUDIES ON THE HELMINTH PARASITES OF THE HERRING GULL, LARUS ARGENTATUS PONTOPP , IN NORTHERNCAERNARVONSHIRE AND ANGLESEY.
W Threlfall
Parasitology 57 3), 431-453 REF
Aug 1967 448.8 P21
Birds, Cestoda, Nematoda, Parasitism, Trematoda.
Summary included

6249-68
EIMERIA NECATRIX INFECTIONS AND OLEIR ACID ABSORPTION IN BROILERS.
D E Turk J F Stephens
Poultry Sci 46 3), 775-777
May 1967 47.8 AM33P
Coccidiosis, Elmeria necatrix, Oleic acid, Poultry.

6250-68
OCCURRENCE OF THE NEMATODE SPIROCERCA LUPI IN UNUSUAL LOCATIONS.
R D Turk
Amer Vet Med Ass J 137(12):721-722, 2 REFS.
15 Dec 1960 41.8 AM3
Dogs, Nematodes.

6251-68
ACQUIRED IMMUNITY TO TRICHURIS MURIS IN THE ALBINO LABORATORY MOUSE.
D Wakelin
Parasitology 57 3), 515-524 REF
Aug 1967 448.8 P21
Immunity, Mice, Parasitism, Tricuris muris.

6252-68
POLIO-ENCEPHALOMACIA ASSOCIATED WITH MYOCARDIAL DEGENERATION IN A GROUP OF HOUSED SHEEP EXPERIMENTALLY INFECTED WITH HAEMONCHUS CONTORTUS.
I Zlotnik D I Nisbet J A Campbell
J Comp Pathol 73(1):39-50, 12 REFS., 4 TABS.
Jan 1963 41.8 J82
Haemonchosis, Polioencephalomyelitis, Sheep, White muscle disease.

# 40 COMMODITY PROTECTION

## Arthropods

6253-68
BROMINE RESIDUES IN FRESB AND DRIED FRUITS FUMIGATED WITH ETHYLENE DIBROMIDE.
E Alumot M Calderon A Bondi
J Sci Food Agr 16(7):II-42-2
Jul 1965 382 SO12
Citrus, Dates, Ethylene dibromide, Figs, Methyl bromide, Peaches, Pesticide residues, Raisins.

6254-68
VARIATION IN ZINC CONTENT AND OTBER PROPERTIES OF VARIOUS PORCINE MUSCLES.
R G Cassens E J Briskey W G Boekstra
J Sci Food Agr 14(6):427-432, 34 REFS., 5 TABS.
Jun 1963 382 SO12
Animal nutrition, Muscles, Myoglobin, Swine, Zinc.

6255-68
MINERAL SUPPLEMENTS FOR CATTLE.
R G Bemingway
J Sci Food Agr 14(2):66-75, 7 TABS.
Feb 1963 382 SO12
Animal nutrition, Dairy cattle, Mineral salts.

## Storage Diseases

6256-68
DETERIORATION OF STORED GRAINS BY FUNGI.
C M Christensen B H Kaufmann
Annu Rev Phytopathol 3:69-84, 74 REFS.
1965 464.8 AN72
Fungi, Grain, Heating, Storage diseases.

6257-68
NCTE ON TYROSINE PRODUCTION IN FROZEN LIVER.
R A Lawrie
J Sci Food Agr 14(2):65-66
Feb 1963 382 SO12
Autolysis, Liver meat, Tyrosine.

6258-68
NATURE, ORIGIN AND PREVENTION OF BYDROGEN SULPHIDE AROMA IN VINES.
B C Rankine
J Sci Food Agr 14(2):79-91, 34 REFS., 8 TABS.
Feb 1963 382 SO12
Aeration, Ethanethiol, Hydrogen sulfide, Wine.

6259-68
DETECTION, IDENTIFICATION AND CONTROL OF PORIA CARBONICA AND OTBER FUNGI IN DOUGLAS FIR POLES.
J L Ricard
Diss Abstr Sect B 27 11)03748B
May 1967 Z5055.U49D53
Ammonia, Fungicides, Methyl bromide, Poisonous gases, Poles, Poria carbonica, Pseudotsuga menziesii, Symbiosis, Wood destroying fungi.

6260-68
THE INSECT INFESTATION OF SORGHUM STORED IN GRANARIES IN NORTHERN NIGERIA.
P B Giles
Bull Entomol Res 55(3):573-588, 10 REFS., 4 TABS.
Dec 1964 421 B87
Nigeria, Plant pest control, Sorghum, Storage diseases.

6261-68
THE EFFECTIVENESS OF CERTAIN GRAIN FUMIGANT FORMULATIONS. I. DOSAGE MORTALITY.
A E O Donnell
Kans Entomol Soc J 38(2):190-193, 2 REFS.
Apr 1965 420 K13
Carbon disulfide, Carbon tetrachloride, Dibromoethane, 1,2-, Dried food, Grain, Oryzaephilus, Sitophilus, Tribolium, Trichloromethane.

6262-68
THE EFFECTIVENESS OF CERTAIN GRAIN FUMIGANT FORMULATIONS. II. GERMINATION.
A E O Donnell
Kans Entomol Soc J 38(2):194-195, 1 REF., 1 TAB.
Apr 1965 420 K13
Carbon disulfide, Carbon tetrachloride, Seed germination, Seed treatment, Trichloromethane, Wheat.

6263-68
LABORATORY STUDIES ON DISPERSION BEHAVIOR OF ADULT BEETLES IN GRAIN. VII. THE EFFECT OF ISOLATED POCKETS OF DAMP AND MOLDY GRAIN ON TRIBOLIUM CASTANEUM (HBST.) (COLEOPTERA, TENEBRIONIDAE).
G Surtees
Bull Entomol Res 55(2):327-337, 8 REFS., 8 TABS.
Aug 1964 421 B87
Coleoptera, Coleptera, Grain, Insect behavior, Tenebrionidae, Tribolium.

## Microbial Contamination

6264-68
MICROBIOLOGICAL STANDARDS FOR SUGAR.
M P Scarr
J Sci Food Agr 14(4):220-223
Apr 1963 382 SO12
Microanalysis, Microorganisms, Sugar.

# 50 ENVIRONMENTAL CONTAMINATION

6265-68
TEAMWORK ON THE DELTA.
Aerial Appl 3(9):8,12
Sep 1965 333.8 AE8
Mississippi River delta, Pesticide residues.

6266-68
DEPT. OF AGRICULTURE ANNOUNCES NEW PESTICIDES MONITORING PROGRAM.
B R DeRemer
Aerial Appl 2(7):10
Jul 1964 333.8 AE8
Agricultural administration, Algae, Botulism, Klamath River, Legislation, Mississippi River, Northwestern United States, Pesticide monitoring program, Pesticide residues, Pesticides, Poisonous plants, Water pollution, Wildlife.

6267-68
EFFECTS ON WILD YOUNG SALMON OF SPRAYING DDT OVER NEW BRUNSWICK FORESTS.
P F Elson
J Fish Res Board Can 24 4), 731-767,MAP
Apr 1967 442.9 C16J
DDT , Fish, Forests, Insecticides, Petroleum, Spraying, Streams, Water pollution.
Bibliography, p.765-767.
Abstract included.

6268-68
REPORT ON FISSION RADIONUCLIDES OF HEALTH SIGNIFICANCE IN FOODS AND FEEDING MATERIALS.
A Schwebel
Ass Offic Anal Chem J 45(3):774-775
Aug 1962 381 AS7
Feeds, Radioactive contamination.

6269-68
ANALYSIS OF FOODS FOR CESIUM-137.
H M Yakabe J M Dimitroff E P Laug
Ass Offic Anal Chem J 45(3):775-781, 6 REFS., 7 TABS.
Aug 1962 381 AS7
Cesium, Spectrometry.

# 55 RESIDUES

6270-68
PESTICIDE DRIFT RESIDUE.
N B Akeson
Aerial Appl 2(3):5
Mar 1964 333.8 AE8
Aerial spraying, Alfalfa, Milk, Pesticide application, Pesticide residues, Weather.

6271-68
RESIDUE DETERMINATION OF 2,4-DICHLOROPHENOXYACETIC ACID IN DRY CROPS AND WALNUTS.
A Bevenue G Zweig N L Nash
Ass Offic Anal Chem J 45(4):990-993, 8 REFS., 1 TAB.
Nov 1962 381 AS7
Crops, Pesticide residues, Walnuts, 2,4-D.

6272-68
ANALYTICAL STUDIES ON SOLANESOL-LIKE SUBSTANCES IN TOBACCO.
W R Bilinsky R L Stedman
Ass Offic Anal Chem J 45(3):532-535, 16 REFS., 3 TABS.
Aug 1962 381 AS7
Assay, Chromatography, Colorimetry, Solanesol, Spectrophotometry, Tobacco.

6273-68
DISULFOTON RESIDUES IN POTATO TUBERS.
H V Brewerton R C Close
New Zeal J Agr Res 10 2), 272-277
May 1967 23 N4892
Disulfoton, Insecticide residues, Potatoes.
Abstract included

6274-68
INVESTIGATIONS IN THE USE OF THE MICRO-COULOMETRIC GAS CHROMATOGRAPH FOR PESTICIDE RESIDUE ANALYSIS.
J Burke L Johnson
Ass Offic Anal Chem J 45(2):348-354, 6 REFS., 2 TABS.
May 1962 381 AS7
Chromatography, Pesticide residues.

6275-68
DETERMINATION OF RESIDUES OF GUTHION.
W S Cox
Ass Offic Anal Chem J 44(2):188-192, 2 TABS.
May 1961 381 AS7
Azinphosmethyl, Cottonseed, Fruit, Insect control, Vegetables.

6276-68
AN IMPROVED TEST PAPER FOR THE DETECTION OF MAMMALIAN URINE RESIDUES.
W S Cox
Ass Offic Anal Chem J 45(3):655-656, 2 REFS.
Aug 1962 381 AS7
Assay, Paper, Rodents, Urine.

6277-68
DETERMINATION OF GUTHION RESIDUES ON FRUITS.
W X Cox
Ass Offic Anal Chem J 45(2):406-409, 2 REFS., 2 TABS.
May 1962 381 AS7
Azinphosmethyl, Chromatography, Pesticide residues.

6278-68
DETERMINATION OF RESIDUES OF DIURON, MONURON, FENURON, AND NEBURON.
R L Dalton H L Pease
Ass Offic Anal Chem J 45(2):377-381, 3 REFS., 1 TAB.
May 1962 381 AS7
Chromatography, Colorimetry, Diuron, Monuron, Pesticide residues.

6279-68
DETERMINATION OF MICRO-QUANTITIES OF CHLORINATED ORGANIC PESTICIDE RESIDUES IN BUTTER.
M Eidelman
Ass Offic Anal Chem J 45(3):672-679, 7 REFS, 1 TAB.
Aug 1962 381 AS7
Assay, Butter, Dieldrin, Endrin, Pesticide residues.

6280-68
THE DETERMINATION OF KELTHANE RESIDUES ON FRUITS AND VEGETABLES.
H P Eiduson
Ass Offic Anal Chem J 44(2):183-188, 2 TABS.
May 1961 381 AS7
Cottonseed, Dicofol, Fruit, Hops, Nuts, Plant residues, Vegetables.

6281-68
APPLICATION OF OSCILLOGRAPHIC POLAROGRAPHY TO DETERMINATION OF ORGANIC PHOSPHORUS PESTICIDE RESIDUES.
R A Gajan
Ass Offic Anal Chem J 45(2):401-406, 31 REFS., 5 TABS.
May 1962 381 AS7
Demeton, Disulfoton, Pesticide residues, Phorate, Polarography.

6282-68
INFRARED DETERMINATION OF ENDRIN RESIDUES.
L L Gershman
Ass Offic Anal Chem J 44(2):212-214, 1 TAB.
May 1961 381 AS7
Endrin, Infrared rays, Pesticide residues, Spectrophotometry.

6283-68
DEGRADATION ESTERS OF SYSLOX, DI-SYSLON, AND THIMET ON FIELD-SPRAYED KALE.
M E Getz
Ass Offic Anal Chem J 45(2):397-401, 6 REFS., 5 TABS.
May 1962 381 AS7
Chromatography, Demeton, Disulfoton, Kale, Phorate.

6284-68
SIX PHOSPHATE PESTICIDE RESIDUES IN GREEN LEAFY VEGETABLES: CLEANUP METHOD AND PAPER CHROMATOGRAPHIC IDENTIFICATION.
M E Getz
Ass Offic Anal Chem J 45(2):393-396, 11 REFS., 1 TAB.
May 1962 381 AS7
Chromatography, Pesticide residues, Vegetables.

6285-68
PESTICIDE RESIDUES IN FOODS: ANALYTICAL PHILOSOPHY, TECHNOLOGY, AND CAPABILITIES IN OTHER COUNTRIES.
F A Gunther
Ass Offic Anal Chem J 44(3):620-626, 15 REFS., 1 TAB.
Aug 1961 381 AS7
Food, International law, Legislation, Pesticide residues.

6286-68
RAPID COLORIMETRIC DETERMINATION OF DDT IN MILK.
F A Gunther R C Blinn D E Ott
Ass Offic Anal Chem J 45(2):359-363, 8 REFS., 5 TABS.
May 1962 381 AS7
Colorimetry, DDT , Milk, Pesticide residues.

6287-68
COMPARISON OF FIVE EXTRACTION PROCEDURES FOR THE RECOVERY OF DDT RESIDUES IN FIELD-TREATED COLLARDS.
L J Hardin C T Sarten
Ass Offic Anal Chem J 45(4):988-990, 8 REFS., 1 TAB.
Nov 1962 381 AS7
Assay, DDT , Kale, Pesticide residues.

6288-68
REPORT ON DAIRY PRODUCTS.
W Horwitz
Ass Offic Anal Chem J 44(3):436-437
Aug 1961 381 AS7
Dairy products, Fats, Frozen desserts, Milk, Phosphatases, Sucrose.

6289-68
SEPARATION OF DIELDRIN AND ENDRIN FROM OTHER CHLORINATED PESTICIDE RESIDUES.
L Johnson
Ass Offic Anal Chem J 45(2):363-365, 2 REFS., 2 TABS.
May 1962 381 AS7
Chromatography, Dieldrin, Endrin, Pesticide residues.

6290-68
THIRAM RESIDUES IN TOMATOES, STRAWBERRIES AND CELERIES.
G E Keppel
Ass Offic Anal Chem J 45(2):410-414, 7 REFS., 3 TABS.
May 1962 381 AS7
Celery, Pesticide residues, Strawberries, Thiram, Tomatoes.

6291-68
SOME POSSIBLE EFFECTS OF MALATHION AND EPN ON MICE.
H E Klaassen G F Krause C C Roan
Kans Entomol Soc J 32(4):183-188, 5 REFS., 5 TABS.
Oct 1959 420 K13
Animal genetics, EPN , Malathion, Mice, Pesticide residues.

6292-68
DANGER OF CHLORINATED HYDROCARBON INSECTICIDES IN BIRDS: EGGS.
J H Koeman R C H M Oudejans E A Huisman
Nature 215 5105), 1094-1096
02 Sep 1967 472 N21
Birds, Chlorinated hydrocarbons, Dieldrin, Eggs.

6293-68
RADIOACTIVITY IN FOODS. II. EVIDENCE OF FALLOUT CONTAMINATION DURING 1958 AND 1959.
E P Laug W C Wallace M S Walton M J Verrett J M Dimitroff
Ass Offic Anal Chem J 44(3):523-530, 10 TABS.
Aug 1961 381 AS7
Food, Radioactive contamination.

6294-68
DETERMINATION OF SMALL QUANTITIES OF ATRAZINE AND SIMAZINE IN CORN BY PAPER CHROMATOGRAPHY.
A Major Jr
Ass Offic Anal Chem J 45(3):679-682, 5 REFS.
Aug 1962 381 AS7
Assay, Atrazine, Chromatography, Corn.

6295-68
SCREENING METHOD FOR MONURON, DIURON, AND NEBURON RESIDUES ON FRUITS AND VEGETABLES BY PAPER CHROMATOGRAPHY.
A Major Jr
Ass Offic Anal Chem J 45(2):387-390, 6 REFS.
May 1962 381 AS7
Chromatography, Diuron, Fruit, Monuron, Vegetables.

6296-68
SPRAY DRIFT CLAIMS ARE MURDER.
P H Marvin
Aerial Appl 3(5):5-6
May 1965 333.8 AE8
Aerial spraying, Herbicide residues, Insurance, Pesticide residues.

6297-68
ESTERASE INHIBITION TECHNIQUE FOR THE DETECTION OF ORGANOPHOSPHORUS PESTICIDES.
W P McKinley S I Read
Ass Offic Anal Chem J 45(2):467-473, 13 REFS., 1 TAB.
May 1962 381 AS7
Chromatography, Esterases, Pesticide residues.

6298-68
COLLABORATIVE STUDY OF CERTAIN CHLORINATED ORGANIC PESTICIDES IN DAIRY PRODUCTS.
P A Mills
Ass Offic Anal Chem J 44(2):171-177, 1 TAB.
May 1961 381 AS7
Benzene hexachloride, DDE , DDT , Heptachlor expoxide, Lindane, Milk, TDE .

6299-68
IDENTIFICATION AND DIFFERENTIATION OF DIELDRIN AND ENDRIN BY HY PAPER CHROMATOGRAPHY.
L C Mitchell
Ass Offic Anal Chem J 45(3):682-689
Aug 1962 381 AS7
Chromatography, Dieldrin, Endrin.

6300-68
ONE-STEP CHROMATOGRAPHIC CLEANUP OF CHLORINATED HYDROCARBON PESTICIDE RESIDUES IN BUTTERFAT. I.CHROMATOGRAPHY ON SILICIC ACID.
W A Moats
Ass Offic Anal Chem J 45(2):355-358, 11 REFS., 1 TAB.
May 1962 381 AS7
Chromatography, Milk fat, Pesticide residues, Silicic acid.

6301-68
ACTIVATION STUDIES ON FLORISIL.
R Moddes
Ass Offic Anal Chem J 44(2):169-170
May 1961 381 AS7
DDT , Florisil, Heptachlor, Heptachlor epoxide, Lindane.

55 6302-68

6302-68
DETECTION AND ESTIMATION OF CHLORINATED PESTICIDES IN EGGS.
J H Onley P A Mills
Ass Offic Anal Chem J 45(4):983-987, 5 REFS., 2 TABS.
Nov 1962 381 AS7
Assay, Chromatography, Dieldrin, DDT , Eggs.

6303-68
FURTHER OBSERVATIONS ON MASTITIS IN COWS FED LEGUME GRASS FORAGE AS SOILAGE AND SILAGE.
W D Pounden N A Frank J H Vandersall
Amer Vet Med Ass J 137(1):53-57, 4 REFS.
01 Jul 1960 41.8 AM3
Cattle, Legume grass forage, Mastitis.

6304-68
METALS, OTHER ELEMENTS, AND RESIDUES IN FOODS.
L L Ramsey
Ass Offic Anal Chem J 44(2):161-163
May 1961 381 AS7
Aldrin, Allethrin, Amitrole, Aramite, Azinphosmethyl, Benzene hexachloride, Biphenyl, Captan, Chlorbenside, Chlordane, Chlorobenzilate, Dairy products, Dichlone, Dicofol, Dieldrin, DDT , Endrin, Etylene oxide, Fluorine, Food contamination, Glyodin, Heptachlor epoxide, Lindane, Malathion, Methoxychlor, Nicotine, Perthane, Pesticide residues, Piperonyl butoxide, Sulphenone, Thiram, TDE , Toxaphene, Zinc, 2,4-d.

6305-68
REPORT ON FUNGICIDES, FUMIGANTS AND MISCELLANEOUS.
R W Storherr
Ass Offic Anal Chem J 45(2):409-410
May 1962 381 AS7
Allethrin, Bromides, Captan, Cyanides, Pesticide residues, Thiram.

6306-68
CLEANUP AND SEPARATION OF 3-AMINO-1,2,4-TRIAZOLE AND METABOLITES FROM VEGETABLE CROPS.
R W Storherr J Onley
Ass Offic Anal Chem J 45(2):382-387, 9 REFS., 1 TAB.
May 1962 381 AS7
Amitrole, Chromatography, Crops, Pesticide residues.

6307-68
DETERMINATION OF CHLORINATED PESTICIDE RESIDUES BY ELECTRON-CAPTURE GAS CHROMATOGRAPHY.
J O Watts A K Klein
Ass Offic Anal Chem J 45(1):102-108, 12 REFS.
Feb 1962 381 AS7
Chromatography, DDT , Pesticide residues.

6308-68
DETERMINATION OF 2,4-D AND OTHER CHLORINATED PHENOXY ALKYL ACIDS.
G Yip
Ass Offic Anal Chem J 45(2):367-376, 11 REFS., 4 TABS.
May 1962 381 AS7
Chromatography, Pesticide residues, 2,4-D.

# 60 TOXICOLOGY

6309-68
DIFFUSION OF DIHYDROSTREPTOMYCIN AND CHLOROTETRACYCLINE INTO MILK OF COWS FOLLOWING PARENTERAL ADMINISTRATION.
H Blobel C W Burch
Amer Vet Med Ass J 137(12):698-700, 8 REFS.
15 Dec 1960 41.8 AM3
Chlorotetracycline, Diffusion, Dihydrostreptomycin, Milk.

6310-68
SOLANUM ELAEAGNIFOLIUM, SILVER-LEAFED NIGHTSHADE, POISONING IN LIVESTOCK.
W B Buck J W Dollahite D J Allen
Amer Vet Med Ass J 137(6): 348-351, 8 REFS.
15 Sep 1960 41.8 AM3
Cattle, Poisonous plants, Sheep, Solanum elaeagnifolium.

6311-68
SERUM TRANSAMINASE ACTIVITIES IN CATS WITH HEPATIC NECROSIS.
C E Cornelius J J Kaneko
Amer Vet Med Ass J 137(1):62-66, 11 REFS.
01 Jul 1960 41.8 AM3
Cats, Hepatocellular necrosis,
Serum glutamic-oxaloacetic transaminase (SGO-) ,
Serum glutamic-pyruvic transaminase (SGP-T) .

6312-68
ELUTION COLUMN PREPARATION OF LEAF SAMPLE FOR FLAME PHOTOMETRY. I. DETERMINATION OF POTASSIUM IN TOBACCO.
J T Dobbins
Ass Offic Anal Chem J 44(2):360-366, 5 TABS., 4 FIGS.
May 1961 381 AS7
Photometry, Potassium, Tobacco.

6313-68
NITRATE IN THE DIET IN PREGNANT EWES.
H F Eppson M W Glenn W W Ellis C S Gilbert
Amer Vet Med Ass J 137(10):611-614, 22 REFS.
15 Nov 1960 41.8 AM3
Feed, Nitrates, Pregnancy disease, Sheep.

6314-68
METHOCARBAMOL IN THE CONTROL OF SEVERE SKELETAL MUSCLE SPASMS IN SMALL ANIMALS.
E Estrada
Amer Vet Med Ass J 137(10): 585-588, 2 REFS.
15 Nov 1960 41.8 AM3
Methocarbamol, Muscle relaxants, Pentobarbital sodium, Spasms.

6315-68
THE UPTAKE FROM WATER BY SEVERAL SPECIES OF FRESH-WATER FISH OF P,P:DDT, DIELDRIN, AND LINDANE THEIR TISSUE DISTRIBUTION AND ELIMINATION RATE.
D H Gakstatter
Diss Abstr Sect B 27 11)03820B
May 1967 Z5055.U49D53
Aquariums, Dieldrin, DDT , Fish, Lindane, Water pollution.

6316-68
FIGHT ADDITIONAL CASES OF PANSTEATITIS ( YELLOW FAT ) IN CATS FED CANNED RED TUNA.
R C Griffiths G W Thornton J E Willson
Amer Vet Med Ass J 137(2):126-128, 2 REFS.
15 Jul 1960 41.8 AM3
Cats, Pansteatitis, Tocopheryl D, alpha-, Tunafish.

6317-68
BOVINE MASTOCYTOMA- A CASE REPORT.
A H Groth W S Bailey D F Walker
Amer Vet Med Ass J 137(4):241-244, 13 REFS.
15 Aug 1960 41.8 AM3
Dogs, Mastocytoma, Metastasis.

6318-68
THE DEVELOPMENT AND USE OF MICROBIAL INSECTICIDES CONTAINING ENTOMOGENOUS BACTERIA AND VIRUSES.
I M Hall
Mushi 39 SUP), 75-84
31 Mar 1967 421 M97

Bacillus thuringiensis, Insecticides, Thuricide.

6319-68
DETECTION OF TRIFLUPROMAZINE IN MILK.
H Kadin
Ass Offic Anal Chem J 44(4):751-753, 1 TAB.
Nov 1961 381 AS7
Cattle, Milk, Triflupromazine.

6320-68
DETERMINATION OF GLYODIN (2-HEPTADECYL GLYOXALIDINE ACETATE) RESIDUES ON APPLES.
A Kleinman
Ass Offic Anal Chem J 44(2):214-218, 1 TAB.
May 1961 381 AS7
Apples, Glyodin.

6321-68
CHROMATOGRAPHIC IDENTIFICATION OF SOME ORGANOPHOSPHATE INSECTICIDES.
H F MacRae W P McKinley
Ass Offic Anal Chem J
44(2):207-211, 14 REFS., 1 TAB., 2 FIGS.
May 1961 381 AS7
Chromatography, Methodology.

6322-68
SCREENING METHOD FOR PESTICIDE RESIDUES ON FRUITS AND VEGETABLES.
A Major H C Barry
Ass Offic Anal Chem J 44(2):202-207, 1 TAB., 1 FIG.
May 1961 381 AS7
Chromatography, Fruit, Pesticide residues, Vegetables.

6323-68
THALLIUM INTOXICATION IN DOGS.
G W Mather D G Low
Amer Vet Med Ass J 137(9):544-549, 11 REFS.
01 Nov 1960 41.8 AM3
Diphenylthiocarbazone, Dogs, Poisoning, Thallium.

6324-68
DETERMINATION OF METHIOTRIAZAMINE AND BITBIONOL IN POULTRY TISSUES AND OF METHIOTRIAZAMINE IN FEED.
E W McChesney R Koss J M Shekosky
Ass Offic Anal Chem J 44(4):744-750, 12 REFS., 5 TABS.
Nov 1961 381 AS7
Bithionol, Feed, Methiotriazamine, Poultry, Tissues.

6325-68
COLLABORATIVE STUDIES OF THE CHEMICAL ASSAY FOR PARALYTIC SHELLFISH POISON.
E F McFarren J E Campbell
Ass Offic Anal Chem J 44(2):278-281, 2 TABS., 1 FIG.
May 1961 381 AS7
Assay, Poisoning, Shellfish.

6326-68
USE OF STARCH GEL ELECTROPHORESIS TO ILLUSTRATE INHIBITION OF RABBIT LIVER ESTERASES BY ORGANOPHOSPHORUS PESTICIDES.
W P McKinley S I Read
Ass Offic Anal Chem J 44(4):726-730, 1 TAB., 3 FIGS.
Nov 1961 381 AS7
Azinphosmethyl, Carbaryl, Carbophenothion, Demeton, Diazinon, Dimethoate, Electrophoresis, Esterases, Ethion, Liver, Malathion, Methyl parathion, Mevinphos, Naled, Parathion, Phorate, Ronnel, Ruelene, Schradan, Trichlorfon.

6327-68
THE QUANTITATIVE ANALYSES OF MICROGRAM QUANTITIES OF MIXTURES OF DDD AND P,P DDT. .
W P McKinley G Savary C Webster
Ass Offic Anal Chem J 44(2):193-196, 1 TAB., 2 FIGS.
May 1961 381 AS7
DDT , Para para -DDT , Quantitative analysis, TDE .

6328-68
ADAPTATION OF THE USE-DILUTION METHOD TO PRIMARY EVALUATIONS OF DISINFECTANTS.
L F Ortenzio L S Stuart
Ass Offic Anal Chem J 44(3):416-420, 3 FIGS.
Aug 1961 381 AS7
Bactericides, Salmonella bacterins, Staphylococcus.

6329-68
FEDERAL CONTROL OF PESTICIDES.
E P Beagan
Aerial Appl 2(3):4
Mar 1964 333.8 AE8
Agricultural administration, Pesticide residues, Pesticides, Public health, Toxicology.

6330-68
A DISORDER RESEMBLING HEMOPHILIA B (CHRISTMAS DISEASE) IN DOGS.
H C Rowsell H G Downie J F Mustard J E Leeson J A Archibald
Amer Vet Med Ass J 137(4):247-250, 12 REFS.
15 Aug 1960 41.8 AM3
Blood coagulation, Dogs, Hemophilia.

6331-68
THE CAUSE OF ALIMENTARY TOXEMIA IN CHICKENS, TOXIC FAT- ITS EFFECT ON SWINE PERFORMANCE.
L C Scott
Amer Vet Med Ass J 137(4):258-260, 13 REFS.
15 Aug 1960 41.8 AM3
Alimentary toxemia, Chickens, Swine.

6332-68
DETERMINATION OF LEAF-MINER MAGGOTS IN SPINACH.
F R Smith
Ass Offic Anal Chem J 44(2):338-339
May 1961 381 AS7
Leaf miners, Maggots, Spinach.

6333-68
DETERMINATION OF 3-AMINO-1,2,4-TRIAZOLE IN CROPS.
R W Storherr J Burke
Ass Offic Anal Chem J 44(2):196-199, 1 TAB.
May 1961 381 AS7
Amitrole, Cranberries, Crops.

6334-68
THERAPEUTIC EFFECT OF PYRIDINE-2-ALDOXIME METHIODIDE IN PARATHION POISONED MAMMALS.
B Svetlicic M Vandekar
J Comp Pathol 70(1):257-271, 6 TABS., 5 FIGS.
Jan 1960 41.8 J82
Mammals, Parathion, PAM , Pyridine-2-aldoxime methiodine.

6335-68
SUSPECTED SCILLA NON-SCRIPTA (BLUEBELL) POISONING IN CATTLE.
R H C Thursby-Pelham
Vet Rec 80 24) 709-710
17 Jun 1967 41.8 V641
Cattle, Poisoning, Poisonous plants, Scilla nonscripta.

6336-68
PULMONARY ADENOMATOSIS IN SOUTH CAROLINA CATTLE.
C L Vickers W T Carll B W Bierer J B Thomas B D Valentine
Amer Vet Med Ass J 137(9):507-508, 11 REFS.
01 Nov 1960 41.8 AM3
Cattle, Feed, Jaagziekte, Pulmonary emphysema.

6337-68
NEOPLASMS FROM CAPTIVE WILD SPECIES.
J R Wadsworth W M Williamson
Amer Vet Med Ass J 137(7):424-425
01 Oct 1960 41.8 AM3
Birds, Mammals, Neoplasms.

6338-68
TUMORS AND TUMOR-LIKE LESIONS OF SNAKES.
J R Wadsworth
Amer Vet Med Ass J 137(7): 419-420, 5 REFS.
01 Oct 1960 41.8 AM3
Caseous necrosis, Neoplasms, Snakes.

6339-68
SPASTIC LAMENESS OF THE HINDLIMBS OF AN ABERDEEN ANGUS HEIFER.
J D Wheat
Amer Vet Med Ass J 137(11):659-660, 3 REFS.
01 Dec 1960 41.8 AM3
Aberdeen Angus cattle, Lameness, Paresis, Surgery.

6340-68
THE IMMUNIZATION OF HORSES WITH BOTULINUM TOXOID.
P G White G S Appleton
Amer Vet Med Ass J 137(11):652-653, 7 REFS.
01 Dec 1960 41.8 AM3
Antitoxins, Botulism, Horses, Immunization, Poisoning.

6341-68
DETERMINATION OF PETROLEUM ETHER EXTRACTS IN TOBACCO.
J E Wickman L S Harrow
Ass Offic Anal Chem J 44(2):357-360, 1 TAB., 1 FIG.
May 1961 381 AS7
Extracts, Ligroine, Tobacco.

# 65 PLANT PHYSIOLOGY & BIOCHEMISTRY

6342-68
HORMONAL REGULATION OF CITRUS LEAF ABSCISSION AND ITS RELATIVE INFLUENCE ON PROTEIN SYNTHESIS.
J C Bakhshi
Diss Abstr Sect B 27 11)03726B
May 1967 Z5055.U49D53
Abscission, Citrus, Gibberellic acid, Indoleacetic acid, Plant biochemistry, Plant regulators, Proteins.

6343-68
INTERACTION OF GROWTH REGULATORS IN THE SENESCENCE OF NASTURTIUM LEAF DISKS.
L Beevers F S Guernsey
Nature 214 5091), 941-942, REF
27 May 1967 472 N21
Plant senescence, Tropaeolum majus.

6344-68
NATURE AND QUANTITIES OF MATERIALS LEACHED FROM VICTORIN-TREATED TISSUES.
H S Black
Phytopathology 53(8):871
Aug 1963 464.8 P56
Electrolytes, Nitrogen, Oats, Potassium, Sodium, Tissues, Victorin.

6345-68
THE EFFECT OF THE REPLACEMENT OF CONCENTRATES BY ROOTS ON THE INTAKE AND PRODUCTION OF DAIRY COWS.
M E Castle A D Drysdale R Waite J N Watson
J Dairy Res 30(2):199-207, 11 REFS.
Jun 1963 44.8 J823
Dairy cattle, Feed, Roots.

6346-68
EFFECTS OF B-NINE AND CYCOCEL ON SOME ANATOMICAL, CHEMICAL, AND PHYSICAL FACTORS INFLUENCING LEAF COLOR AND STEM STRENGTH OF CHRYSANTHEMUM MORIFOLIUM L. CV. CRITERION AND EUPHORBIA PULCHERRIMA WILLD. CV. ELISABETH ECKE.
C E Crittendon
Diss Abstr Sect B 27 11)03740B
May 1967 Z5055.U49D53
Chlorcethyl)trimethylammonium chloride, 2-,
Chrysanthemum morifolium, Euphorbia pulcherrima,
Plant anatomy, Plant bicchemistry,
Succinic acid, 2,2-dimethylhydrazide.

6347-68
ON THE UTILIZATION OF AMINO ACIDS BY ASPERGILLUS FLAVUS FOR NITRIFICATION.
H J Hatcher
Diss Abstr Sect`B 27 11)03821B
May 1967 Z5055.U49D53
Amino acids, Aspergillus flavus, Nitrification.

6348-68
PERCEPTION OF ENVIRONMENTAL STIMULI ORIENTING GROWTH AND MOVEMENT IN LOWER PLANTS.
W Haupt
Annu Rev Plant Physiol 16:267-290, 130 REFS.
1965 450 AN78
Environment, Growth factors, Phototropism, Plants, Polarization.

6349-68
STUDIES ON THE PROPERTIES OF NEW ZEALAND BUTTERFAT. VIII. THE FATTY ACID COMPOSITION OF THE MILK FAT OF COWS GRAZING ON RYEGRASS AT TWO STAGES OF MATURITY AND THE COMPOSITION OF THE RYEGRASS LIPIDS.
J C Hawke
J Dairy Res 30(1):67-75, 28 REFS.
Feb 1963 44.8 J823
Cattle, Fatty acids, Lipids, Lolium, Milk fat.

6350-68
IMMEDIATE LOSS OF FLAGELLA FROM CHLAMYDOMONAS REINHARDI AFTER ULTRAVIOLET IRRADIATION.
A R Hipkiss
Radiat Bot 07 4), 347-349

Aug 1967 450 R11
Chlamydomonas reinhardi, Flagella, Ultraviolet rays.

6351-68
RADIATION-INDUCED LOSS OF REPRODUCTIVE INTEGRITY IN THE STAMEN HAIRS OF TRADESCANTIA BLOSSFELDIANA MILDBR A TWELVE-PLOID SPECIES.
S Ichikawa A B Sparrow
Radiat Bot 07 4), 333-345 REF
Aug 1967 450 R11
Cesium, Radiation, Reproduction, Tradescantia blossfeldiana.
Abstract included.

6352-68
COMPARISON OF THE EFFECTS OF GIBBERELLIC ACID AND AFLATOXIN IN GERMINATING SEEDS.
B C Jones B S Black A M Altschul
Nature 214 5084), 171-172
08 Apr 1967 472 N21
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Metabolism, Soil aeration, Soil chemistry, Soil structure, Soils.

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Diss Abstr Sect B 27 11)03868B-3869-B
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Abstract included.

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W C Wilson
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# 70 CHEMISTRY

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Chromatography, Esters, 2,4-D, 2,4,5-T.

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M E Biesemeyer
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R C Blinn J E Boyd
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A Calderbank S H Yuen
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Jul 1965 382 SO12
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Ass Offic Anal Chem J 44(3):586-588, 1 TAB.
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Arsenic, Distillation, Ion exchange.

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O W Ford
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Fertilizers, Potassium, Sodium tetraphenylboron.

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K Friedrich K Stammbach
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M E Getz
J Sci Food Agr 17(6):II-43-1
Jul 1965 382 SO12
Carbophenothion, Diazinon, Malathion, Methylparathion, Parathion, Pesticide residues.

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M E Getz R R Watts
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Apples, Cabbage, Nitrobenzyl)pyridine, 4-(p-, Organophosphate pesticides, Potatoes, Quantitative analysis, Strawberries.

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L Giuffrida F Ives
J Sci Food Agr 16(7):II-42-6
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T H Harris
Ass Offic Anal Chem J 44(3):576
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Aldrin, Ammonium chloride, Chlorine, Dieldrin, DDT , Endrin, Infrared rays, Malathion, Parathion, Sabadilla, Sodium biphenyl, Sodium hypochlorite, Warfarin.

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SPECTROPHOTOMETRIC DETERMINATION OF MALEIC HYDRAZIDE IN TOBACCOS.
I Hoffman
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R G Knoerlein
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T Kosuge J C Dutra
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Phosphorus-organotin compounds,
Trialkyl tin organic phosphorus compounds,
Triphenyl tin organic phosphorus compounds.

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A B Lloyd R I Noveroske J L Lockwood
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W K Lowen
Ass Offic Anal Chem J 44(3):584-585, 3 TABS.
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Ferbam, Infrared rays, Sodium sulfide, Thiram.

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L Lykken
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Aldrin, Assay, Infrared rays.

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TOTAL CHLORINE AND INFRARED METHODS FOR THE DETERMINATION OF ALDRIN, DIELDRIN, AND ENDRIN FORMULATIONS.
L Lykken
Ass Offic Anal Chem J 44(3):595-605, 4 TABS., 3 FIGS.
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Aldrin, Chlorine, Dieldrin, Endrin, Infrared rays.

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C F Meyer
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Assay, Chlordane, Chlorine, Heptachlor.

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L C Mitchell
Ass Offic Anal Chem J 44(4):730-733, 2 FIGS.
Nov 1961 381 AS7
Biphenyl, Chromatography.

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L C Mitchell
Ass Offic Anal Chem J 44(4):643-712, 2 TABS., 8 PL.
Nov 1961 381 AS7
Bromine, Chromatography, Fluorescein, Phenoxyethanol 2-,
Silver nitrate, Ultraviolet rays.

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L C Mitchell
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Chromatography, Trichlorophenoxyacetic acid, 2,4-d,
2,4,5-T.

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DETERMINATION OF HEPTACHLOR IN HEPTACHLOR GRANULES.
W G Mitchell W F Barthel
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Assay, Heptachlor.

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L D Quin W George B S Menefee
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Acids, Chromatography, Organic compounds, Smoke, Tobacco.

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R C Rund
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Aug 1962 381 AS7
Rotenone, Spectrophotometry.

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B L Samuel
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Aug 1961 381 AS7
Infrared rays, Resins, Rotenone.

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DETERMINATION OF FURFURAL IN DISTILLED SPIRITS.
R L Schoeneman
Ass Offic Anal Chem J 44(3):392-394, 1 TAB., 1 FIG.
Aug 1961 381 AS7
Alcoholic beverages, Distillation, Furfural,
Spectrophotometry.

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K G Sloman R J Romagnoli J C Cavagnol
Ass Offic Anal Chem J 45(1):76-80, 6 REFS., 3 TABS.
Feb 1962 381 AS7
Butylated hydroxyanisole, Butylated hydroxytoluene, Food.

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R W Storherr M E Getz R R Watts S J Friedman F Erwin
L Giuffrida F Ives
J Sci Food Agr 16(7):II-15-6
Jul 1965 382 SO12
Carbophenothion, Chromatography, Diazinon, Malathion,
Methyl parathion, Nitrobenzylpyridine,
Organophosphate pesticides, Parathion.

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DETERMINATION OF MALATHION IN FORMULATIONS.
J H Ware
Ass Offic Anal Chem J 44(3):608-610, 1 TAB.
Aug 1961 381 AS7
Infrared rays, Insecticides, Malathion.

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T T White G G McKinley
Ass Offic Anal Chem J 44(3):591-595, 3 TABS., 3 FIGS.
Aug 1961 381 AS7
Aldrin, Chlorine, Dieldrin, Endrin, Hydrobromic acid.

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T T White G G McKinley
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Aug 1961 381 AS7
Methyl parathion, Mevinphos.

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DETERMINATION OF HERBICIDES IN OILS.
G Yip
J Sci Food Agr 16(7):II-43-2
Jul 1965 382 SO12
Chromatography, Dichlorophenoxy-aliphatic acids, Herbicide residues, Oils, Pentachlorophenol, Trichlorobenzoic acid, 2,3,6-.

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Jan 1964 333.8 AE8
Aerial spraying, Helicopters.

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Aerial Appl 3(2):4,8
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Accident prevention, Agricultural aviation associations, California, Workmen s compensation insurance.

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Aerial Appl 2(8):6
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Helicopters, Pesticide residues, Spraying equipment.

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B W Calnek
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H C Carlson
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W M Ciesla R T Franklin
Kans Entomol Soc J 38(2):205-206
Apr 1965 420 K13
Coleoptera, Curculionidae, Hylobius, Insect collecting equipment, Pachylobius, Pinus.

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J B Galipault
Aerial Appl 2(7):4
Jul 1964 333.8 AE8
Aerial spraying, Aerodynamics, Aircraft.

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J B Galipault
Aerial Appl 2(9):8-9
Sep 1964 333.8 AE8
Accident prevention, Aerial spraying, Aircraft.

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J B Galipault
Aerial Appl 2(4):4-5
Apr 1964 333.8 AE8

Accident prevention, Aerial spraying, Aircraft, Safety education.

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Aerial Appl 2(8):12
Aug 1964 333.8 AE8
Accident prevention, Aerial spraying, Aerodynamics, Aircraft operation.

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J H Galipault
Aerial Appl 2(6):4
Jun 1964 333.8 AE8
Aerial spraying, Aerodynamics, Aircraft.

6428-68
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Accidents, Aerial spraying, Aircraft.

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H Marshall
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Aerial spraying, Wind.

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F D Miner
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Insect collecting equipment.

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THE AG PILOT AND HOW TO PROTECT HIM.
S F Mohler C R Harper
Aerial Appl 3(4):7-8,17
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Accident prevention, Aerial spraying, Pesticides, Poisoning, Protopam.

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S R Mohler C R Harper
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Mar 1965 333.8 AE8
Accidents, Aerial spraying, Aircraft, Poisoning.

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S Radinovsky
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Insect behavior, Motion pictures.

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M R Smith
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Jan 1965 333.8 AE8
Aircraft, Dusting equipment, Planting equipment.

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H P Van Krey F X Ogasawara
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Feb 1964 41.8 AV5
Devocalizing (poultry), Electrosurgery, Poultry.

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LOW VOLUME SPINNING PESTICIDE NOZZLE.
D Whittam
Aerial Appl 3(4):16
Apr 1965 333.8 AE8
Aerial spraying, Nozzles, Pesticide application, Spraying equipment.

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F E Wood
Kans Entomol Soc J 38(2):203-204
Apr 1965 420 K13
Insect collecting equipment.

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PESTICIDES AND THE INDUSTRY -AS VIEWED BY THE AGRICULTURAL PRESS.
P D Sanders
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Dec 1964 333.8 AE8
Agribusiness, Pesticides.

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J H Ware
Ass Offic Anal Chem J 45(3):529-530 3 REFS., 1 TAB.
Aug 1962 381 AS7
Assay, Colorimetry, Malathion.

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Anthonomus grandis, Cotton, Research.

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J H Galipault
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Aerial spraying, Agricultural economics, Research.

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Jul 1963 333.8 AE8
Aerial dusting, Aerial spraying, Aeronautics, Agricultural legislation, Federal Aviation Agency.

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Spastic lameness of the hindlimbs of an Aberdeen Angus heifer. 6339

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